REDSTONE ARSENAL
OFFICE OF THE DIRECTORATE OF PUBLIC WORKS
ENVIRONMENTAL SECTION

FINAL REPORT

DEVELOPMENT OF GROUND-WATER MONITORING DATABASE
PHASE I SUPPORT TASK

CONTRACT # DAAH03-93-D-0005
TASK 01

VISTA TECHNOLOGY, INC.
HUNTSVILLE, ALABAMA

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1.0 INTRODUCTION

Numerous environmental studies have been, and are currently being, performed at Redstone Arsenal, Alabama (RSA). These investigative studies have been supplemented through the installation and subsequent sampling of some 400 ground-water quality monitor wells. The wells were installed by several different contractors, including the United States Army Corps of Engineers (USACE).

Current guidelines and standards for well installations, ground-water sampling, and laboratory analytical procedures and methods were not in-place at the time a large number of the wells were being installed. The majority of environmental regulations that are currently in-place have been written since the first monitor wells were installed at RSA.

Although the wells were most likely installed and sampled using industry standard practices, a range of inconsistencies exists between the early wells and those installed most recently. As a result of the potential data inconsistencies, the need to consolidate and refine the available data, and potential upcoming regulatory initiatives, a requirement was identified by RSA to assemble a base-wide data base management system (DBMS) for ground-water monitoring data generated at RSA.

Vista Technology, Inc. (herein referred to as "Vista") was recently awarded an Indefinite Delivery Order/Indefinite Quantity (ID/IQ) type contract to support the environmental office of the Directorate of Public Works (DPW) at RSA. The first task order (01) issued under the referenced contract (No. DAAH03-93-D-0005) was to assist in the development of a base-wide ground-water monitoring database. The following paragraphs highlight those procedures involved and instruments used to aid in the development of a ground-water monitoring DBMS for RSA.

2.0 INTERCHANGE FILE FORMAT APPLICATION

Current regulations and guidelines require extensive documentation of field and analytical activities regarding the installation and sampling of monitor wells and the analysis of ground-water samples. Certain regions of the United States Environmental Protection Agency (EPA) are requesting the data be available in formats consistent with their own database management systems (DBMS). A brief description of current Region IV information requirements is outlined below.

Region IV of EPA currently utilizes a standardized reporting format for ground-water monitoring data. The format is entitled the Interchange File Format (IFF) and was designed to allow for the standardization and easy transfer of data between EPA and various contractors that may be accumulating data on projects for which EPA maintains oversight. A copy of the required format was ascertained from Mr. Jim Barksdale of EPA and is appended. To accommodate the formatting

requirements, Vista developed its own data worksheets that were used to extract data from the various reports. These worksheets are also appended and given as Worksheets A/C, B, and D.

In general, the IF Format uses four main files to store to and acquire data from. These files along with a brief description of each are as follows:

Station.dat - Contains basic information about monitoring station location and type.

Well.dat - Contains detailed information about construction and characteristics of ground-water monitoring stations.

Sample.dat - Contains basic information about the collection and characteristics of ground-water samples.

Parm.dat - Contains measured values and reporting units for specific laboratory parameters.

As shown, each file is designed for a specific data field. Within the **station.dat** file, there are approximately 11 different fields that must be reported. These include lateral coordinates, elevation, etc. The coordinate system currently in place at RSA is the Alabama State Plane system that utilizes a Northing-Easting coordinate as opposed to latitude-longitude. Within the **well.dat** file, there are some 40 different fields that must be defined including depth, installation method, construction details, etc. There are some nine fields that must be defined for the **parm.dat** file. These include analytical values, detection limits, method nos., etc. The **sample.dat** file has some 15 different fields that must be reported including sample date, time, sampler ID, etc.

3.0 GENERAL BACKGROUND OF INSTALLATION ASSESSMENT ACTIVITIES

The following background information was assembled through detailed discussions with various individuals employed by private contractors, Redstone Arsenal, and the USACE. Those individuals contacted included Mr. Roger Young and Ms. Dorothy Richards of the USACE, Huntsville Division, Ms. Juana Perez of the USACE, Savannah District, and Mr. Bill Schroder, Mr. Ramzi Makkouk, and Mr. Craig Northridge of RSA. Additional information was ascertained through discussions with Mr. Bob Caswell of P.E. LaMoreaux and Associates, Mr. Pedro Fiero of Geraghty & Miller, Mr. Dave Schaer of EBASCO, Mr. Ed Stace and Mr. Craig Sprinkle of Engineering-Science, Environmental Science and Engineering, Inc. personnel, and Mr. Oscar Gay of Testing, Inc.

The first monitor wells were installed in 1979-1980 in response to an environmental investigation that was performed by the United States Army Toxic and Hazardous Materials Agency (USATHAMA). Approximately 75 to 80 monitor wells were installed by Testing, Inc. of Decatur, Alabama and Miller Drilling Company of Fayetteville, Tennessee.

The next group of monitor wells were installed at RSA by Olin Chemical Corporation, as part of a DDT remedial action. The wells were installed in 1986. The wells continue to be sampled by Olin Chemical Corporation as part of the mitigation project under an agreement with the United States Justice Department. Those monitor wells installed and sampled by Olin Chemical Corporation have not been included in this work effort.

In 1987 to 1989, P.E. LaMoreaux and Associates (PELA), under contract to the USACE, Huntsville Division, performed several studies that included the installation of about 140 monitor wells in the Unit 1, 2 and 3 areas. PELA also performed the sampling of some 17 monitor wells, referred to as Unit 4 wells, which make up the perimeter monitoring well program at RSA. Most of the perimeter wells were installed during the 1979-1980 work by Testing, Inc. with the exception of three wells that were originally used as a source of drinking water for residential areas on RSA. PELA's studies concluded in about 1989.

Under contract to the USACE, Huntsville Division, beginning in about 1991, Geraghty & Miller of Tampa, Florida, performed investigative studies at Unit 1, 2, and 3 areas that involved the installation of about 160 monitor wells. The Geraghty & Miller studies were completed in early 1993.

Engineering-Science of Atlanta, Georgia, under contract to the USACE, Huntsville Division, performed studies in the Unit 3 area during the period of 1991 to 1993. The studies included the installation of some 36 new monitor wells, about 20 of which were installed by the USACE, Mobile District. Also, under a separate task order, Engineering-Science installed some 30 additional wells in the Unit 3 area during the summer and fall of 1993. Documentation of the latest installations is expected to be available during the first quarter of 1994.

EBASCO Services Incorporated (EBASCO) of Atlanta, Georgia, under contract to the Savannah, Georgia District of the USACE, installed some 13 monitor wells in the Unit 3 area during the summer of 1993. Only draft documentation of the well installations is available at this time.

Also, over the past 12 to 13 years, various and selected monitor wells have been sampled by RSA and BAMSI, Inc. personnel (under contract to RSA) as part of a base-wide ground-water monitoring program. This routine sampling has been performed for the sanitary/inert/DDT waste soils landfill and is mainly confined to those wells that were installed during early investigative periods at RSA.

In addition to those monitor wells already discussed, numerous monitor wells have been included in proposed work plans currently being finalized by EBASCO, Environmental Science & Engineering, Inc. (ESE) under subcontract to the USACE, Huntsville Division, and RUST Environment & Infrastructure of Greenville, South Carolina, under contract to the Savannah, Georgia of the USACE. The work plans should be finalized by July 1994.

4.0 DOCUMENT REVIEW

As indicated above, monitor wells have been installed and sampled by numerous contractors over the past 15 years. Documentation of the performed services was secured through two main sources, the Huntsville Division of the USACE and the MICOM Environmental Office at RSA. Additional information was also secured through representatives of PELA, Geraghty & Miller, EBASCO, Engineering-Science, Environmental Science and Engineering, Inc., and Testing, Inc.

The documents were provided to Vista in hard copy form where they were copied in-house by Vista personnel and returned. The provided information was found to be primarily in a report-type format or a listing-type format as in the case of the routine ground-water monitoring program. Approximately 36 report-type documents and two maps were reviewed for the task. The referenced maps show each SWMU and monitor well on RSA and their corresponding identification number. A copy of each map is appended. A complete listing of the references reviewed is also appended.

The information retrieved consisted of two primary fields of data. These data consisted of monitor well construction information and ground-water sampling and laboratory analytical data. Relevant data were ascertained from each document and recorded in hard copy in the IF Format as described above. A brief description of each major data field is described in Sections 4.1 and 4.2 below.

4.1 Ground-Water Monitor Well Construction Data

The well construction information used to complete the IFF Worksheets was taken from 12 different documents listed on the attached reference sheet as References 2, 9, 13, 14, 17, 24, 25, 30, 32, 36, 37, and 38.

A comprehensive listing of ground-water monitor well construction data is required to complete the IF Format data fields. This data includes information such as depth of well, diameter of borehole, drilling methods, elevation of well casings, etc. In addition, specific well location/station information such as coordinates, date of installation, etc. was ascertained during a review of well construction data. A more detailed listing of the data requirement is given on the attached IFF sheets given as Attachments B and D.

Most of the well construction information was taken from well construction diagrams, spread sheets, or other tabulations. In some cases, the information was easily obtainable and in others, particularly on older documents, some of the information was scaled from well diagrams or extrapolated from well logs believed to represent similar construction methods. Empty data fields were filled where reasonable results were projected; otherwise, they were left blank.

A well construction summary (see Table 1) was prepared during the course of the data accumulation. The summary contains a listing of each well that was installed at RSA prior to the summer of 1993.

Only those wells recently installed by Engineering-Science, for which documentation was not made available, have been omitted.

Also included on Table 1 is a listing of the coordinates for each well as determined during the document review or taken from a listing provided by Mr. Ramzi Makkouk of RSA. Table 1 also includes the number of the particular reference, as keyed to the attached reference document, where the construction information was ascertained. Also included for each specific well is a listing of the Unit, Area, AOC, or SWMU at which the well is installed and also the consultant and drilling contractor that installed the well. The last two columns given on Table 1 indicate whether well construction information or boring lithologic information was available for a particular well and reference noted.

A second well summary table, Table 3, was also prepared. Table 3 varies from Table 1 only in that the elevation of the well has been substituted for the well and boring information columns.

During the course of the document review, several data deficiencies were noted. The main deficiencies are regarding GW-004, 013, and 020; RS-072 to 076; and RS-209 to 216. Monitor wells with a GW prefix are part of the Unit 4 well system and, as mentioned earlier, originally drinking water supply wells. Very limited information was available for the wells. Mr. Bill Schroder of RSA did provide some limited data; however, additional data will be required to complete the IF Format requirements. The installer of these wells in not known.

Well construction information was not available for wells RS-072 to 076; however, boring logs diagrams were made available. These wells are believed to have been installed by Testing, Inc. while under subcontract to USATHAMA. No boring or well construction information was made available for wells RS-209 to 216 which are believed to have been installed by PELA while under subcontract to the USACE, Huntsville Division.

Some discrepancies were also noted regarding the coordinates and elevations of the wells. In some cases, it is unclear as to whether the elevations given represents the top of casing, ground surface, or some other datum such as the top of the concrete pad around a particular well. In addition, some of the coordinates given on the well listing provided by RSA are inconsistent with those taken from the monitor well logs.

4.2 Laboratory Analytical Data

The laboratory analytical information used to complete the IFF Worksheets was taken from 17 different documents listed on the attached reference sheet as References 5, 8, 12, 13, 14, 16, 17, 18, 20, 22, 26, 27, 29, 32, 36, 37, and 38.

An example of the laboratory fields compiled is given on IFF Worksheet A/C (appended). The information generally consisted of analytical results, detection limits, analytical methods, etc. Analytical data were obtained through a review of two major types of document. The first type of

document consisted of a quality control summary report where raw data sheets were compiled that were specific to a particular investigation. The second type of document was a compilation of analytical results of periodic sampling events routinely performed by RSA personnel and/or BAMSI personnel as part of the RSA ground-water monitoring program.

A summary table (see Table 2) was prepared during the performance of this phase of the task. The table was prepared to show each well along with the number of times and dates that the wells were sampled. Also included on the table, is the relative reference where the laboratory data for a specific sampling event and well can be found. Quality control samples such as field or trip blanks or other contract laboratory program (CLP) documentation were not included. Those samples known to be duplicates or replicates of actual field samples were included.

Known outstanding laboratory data not included during the performance of our task includes:

1) 1993 MICOM Environmental Office Ground-Water Monitoring Data.
2) 1993 Engineering-Science Phase I Report (Reference # 30).
3) Anticipated 1994 Engineering-Science Phase II Report.

There were a number of deficiencies noted during our review of the laboratory data. These deficiencies consisted mainly of missing laboratory sheets for particular analytical groups or groupings for particular wells and sampling events. These missing pages could be the result of the massive amounts of copying that took place to complete this task or it may be possible that the data sheets were simply not provided by the consultant that prepared the particular report. Some missing data sheets were retrieved from consultants during this task. The listing of deficiencies will be maintained by Vista and, at which time the next phase of DBMS is initiated, Vista will attempt to acquire the remaining missing documents.

5.0 COMMERCIAL OFF-THE-SHELF SOFTWARE (COTSS) REVIEW

The final development stage of the DBMS will occur once all of the monitoring data has been transferred to an electronic data management system. Once configured, the data contained within the data base should be available so that individual reports can be generated to present the data not only in a list-type format but also graphically.

Various COTSS packages were evaluated as part of this phase of the task. The software packages reviewed included:

Geotechnical Graphics System (GTGS)
Geobase
Stratifact
GIS Key
Intergraph In-Situ and ERMA

Each package was evaluated based on its graphical presentation capability, report writing output, data base system, cost, hardware and software requirements, training availability, support, and ease of use. Considering all selection criteria, Stratifact and Geobase were determined to be the most practical for the application. The MICOM environmental office is currently reviewing the software packages and will make the final decision of which package should be utilized.

6.0 SUMMARY

Locating the data and transferring it to hard copy form, at the same time storing it to a central location, is the first step necessary to develop a functional data base management system (DBMS) at RSA. However, the DBMS will not be fully functional until the data has been transferred to an electronic file system that will allow for the easy retrieval and transfer of the data. An electronic file system is also essential for the statistical and graphical manipulation of the data. The COTSS packages reviewed possess the necessary tools to allow for the ready transfer and evaluation of the monitoring data. The integration of one or more of these packages, should compliment the development of a DBMS that will satisfy regulatory officials as well as to allow for the necessary manipulation of the raw data.

As proposed, the task has been completed. All data has been retrieved from the referenced sources and configured to meet IF Format standards that should allow for the easy transfer or exchange of data as required by the EPA. The data is currently in hard copy form and consists of some 20,000 individual sheets of paper currently housed in two metal file cabinets at Vista's Discovery Drive office.

The next step of the DBMS development process will consist of the integration of the hard copy data into an electronic file system. At that time, particular attention should be paid to the discrepancies that were noted in Sections 4.1 and 4.2. The mitigation of the discrepancies should be included as part of the next work effort.

Although the majority of existing ground-water data has been compiled as part of this task, additional data, most of which was not available at the time this task began, has been generated. In order to keep the DBMS up to date, it will be necessary to perform updates to the system, either periodically or, as data is generated and becomes available.

It should be noted that all data reviewed and used in support of this project was taken from work performed by others. In all cases, with the exception of the latest EBASCO reports, the data was taken from final reports; therefore, data validation and verification or other quality control measures were not performed. For the purpose of this task, it was assumed that the data provided had been adequately reviewed and was acceptable to use in its present forms.

APPENDIX

Appendix A

Interchange File Format
for
Electronic Data Reports

This document establishes the required format for electronically reporting environmental monitoring data to EPA Region IV. The IFF has been successfully used on a limited basis for over three years within Region IV.

Use of electronic reporting formats such as the IFF provide several highly desirable benefits, including institutional memory, real time data analysis by all stakeholders and greatly improved data analysis by all stakeholders. As the agency charged with regulatory and enforcement responsibilities, EPA believes that it should provide a leadership role in developing formats. The IFF serves this function.

We also recognize that standardization carries the inherent burden of limiting variation. In EPA's opinion, the increase in quality and productivity more than offset the limiting factors of standardization. Additionally, EPA views making the IFF a standard as a Total Quality Management process. Therefore, comments and suggestions regarding any aspect of the process should be forwarded to:

Phyllis Mann or Richard Hammond

345 Courtland Street, NE
Atlanta, GA 30365
Voice: (404) 347-3402
FAX: (404) 347-5056
Internet: mpg01@r4sparc1.r04.epa.gov

Interchange File Format
for
Electronic Data Reports

This document establishes, for EPA Region IV, the required format for electronic reporting of monitoring data.

Data will be transported as a set of four ASCII files:

STATION.DAT - contains basic information about monitoring station location and type.

WELL.DAT - contains detailed information about construction and characteristics of groundwater monitoring stations.

SAMPLE.DAT - contains basic information about the collection and characteristics of samples.

PARM.DAT - contains measured values and reporting units for specific parameters.

The first line of EACH of the four files MUST contain the following text starting in position one: 19901001

These files are to be transmitted in ASCII format using 5.25 inch flexible disk, nine-track magnetic tape (1600 or 6250 bpi) or, in the future, via communications channels yet to be defined. Hardcopy reporting requirements will continue as currently required until further notice. Additional files may be defined in the future for non-groundwater station types should the need arise.

Several of these files will contain data that is usually static in nature. For example, the basic information contained in STATION.DAT will not normally change for any single station; therefore, once the data has been submitted for a particular station, it will not be required to resubmit that information. If, however, the station record is updated or corrected the record would have to be resubmitted. After the initial report then, STATION.DAT would be submitted only when new stations are created, or when an old station record is modified, and need only contain the new or modified records. The same is true of file WELL.DAT. SAMPLE.DAT would, of course, be submitted each time one or more new samples were to be reported, or any sample record required updating. Again, the file need only contain the new or updated records. PARM.DAT is expected to be submitted at each required reporting interval, since it will contain the analytical results needed to determine compliance. It must contain all new results for the reporting interval, and may contain corrections and updates to older records. As may be observed, the format allows for asynchronous reporting, provided that no sample may be reported before the station with which it is associated, and no parametric record before its sample record.

For each file described in the appendices, all fields must be reported. The null , or "no data", value for all fields is the pound sign (#), and must appear in the first column position of its field. Field values may be listed one per line in the export file, or multiple values may be reported on a single line, provided

that field values are reported in the specified order, and each value is terminated by a comma (,). Lines containing multiple values may not exceed 80 characters in length, including the delimiters.

> DO NOT CREATE LINES LONGER THAN 80 CHARACTERS! EVEN THOUGH LONGER RECORDS MAY APPEAR TO LIST PROPERLY ON SCREEN, LINES LONGER THAN 80 CHARACTERS WILL NOT BE ACCEPTED BY THE IFF POST PROCESSOR!

Since the comma is used as a delimiter for data values, the values themselves may not contain any comma, even though the value may be a text stream.

Datafile PARM.DAT

field no.	field name	Description
1	PARAM_KEY *	Unique data record identifier. Consists of a fifty-four character field, left justified, containing:

column:	description:
1-12	Unique site identifier as assigned by EPA. Must be alphanumeric.
13-17	Unique solid waste management unit designator. Must be alphanumeric.
18	Media status indicator. Must contain one of the following: C - compliance monitoring station B - baseline monitoring station A - other ambient monitoring station.
19 - 27	Unique station identifier. Must be alphanumeric.
28 - 42	Unique sample identifier. Must be alphanumeric.
43 - 54	Parameter identifier. For chemical constituents for which CAS numbers exist, the CAS number will be the identifier. For other constituents, the identifier will be determined on an as-needed basis.
55 - 58	Replicate number. Identifies the value as one of two or more analyitical results for the same parameter on the same sample. INTEGER NUMERIC, right justified, up to four characters. Not used unless replicate results are reported.

2	QUALF	Qualifier field. ALPHANUMERIC, may contain up to four STORET qualifier codes.
3	VALUE *	The reported analytical result for the chemical. Must be DECIMAL NUMERIC, consisting of up to twelve character (including the decimal), and may have up to four digits after the decimal point.
4	UNITS *	The units of measurement in which analytical results are reported. ALPHANUMERIC, consisting of up to six characters.
5	METHOD	The name or code of the analytical method or technique used to obtain the reported value. ALPHANUMERIC, containing up to fourteen characters.

6	DATE *	Date of analysis. Eight character integer field consisting of: columns — content 1-4 — year including century, e.g., 1989. 5-6 — numeric month 7-8 — numeric day of month Column numbers are relative to the beginning of the DATE field. Each subfield described above must be right justified, and may contain leading zeros.
7	DETLIM	Detection limit. Must be in same units as the reported value. Must be DECIMAL NUMERIC, consisting of up to twelve characters (including the decimal), and may have up to four digits after the decimal point.
8	LAB	Name of Lab that performed the analysis. ALPHANUMERIC field containing up to 20 characters.
9	COMMENT	Any additional information the user feels necessary, which may not be accomodated in a defined field. Must be ALPANUMERIC consisting of up to 40 characters.

Datafile STATION.DAT

field no.	field name	field Description
1	STATION_KEY *	Unique station identifier. Consists of a twenty-seven character alphanumeric field, left justified, containing:

column:	description:
1-12	Unique site identifier as assigned by EPA. Must be alphanumeric.
13-17	Unique solid waste management unit designator. Must be alphanumeric.
18	Media status indicator. Must contain one of the following: C - compliance monitoring station B - baseline monitoring station A - other ambient monitoring station.
19 - 27	Unique station identifier. Must be alphanumeric. If this data is to be used with the Region IV Query menu, the naming convention recomended for stations is as follows. Monitoring wells should contain 'MW',test pits 'TP',boreholes 'BH', surface soil 'SS'.

2	TYPE *	Type of monitoring station. Consists of a four character alphanumeric field, left justified, containing one of the following: AIR, SWTR, GWTR, SOIL, SED, and SLDG. The meanings of these abbreviations are as follows: AIR - Air sampling station SWTR - Surface water sampling station GWTR - ground water sampling station SOIL - soil sampling station SED - Stream bed sediment SLDG - process sludge sampling
3	LATITUDE *	Geographic position of the station in degrees north of the equator. Must be in the format DDMMSS.xxxx, where DD represents degrees, MM represents minutes, and SS.xxxx represents seconds, with available precision to four decimal places.
4	LONGITUDE *	Geographic position of the station in degrees west of the Prime Meridian. Must be in the format DDDMMSS.xxxx, where DDD represents degrees, MM represents minutes, and SS.xxxx represents seconds, with available precision to four decimal places.
5	LSDAT *	Elevation in feet (MSL) of land surface at the location of the monitoring station. Must be a DECIMAL NUMERIC field with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point.

6	RFDAT *	Elevation in feet (MSL) of the point from which height above ground, water level and sampling depth measurements are taken. DECIMAL NUMERIC field with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point.
7	CONDT	Date construction of the station was completed. Eight character integer field consisting of: columns — content 1-4 — year including century, e.g. 1989 5-6 — numeric month 7-8 — numeric day of month Column numbers are relative to the beginning of the CONDT Field. Each subfield described above must be right justified, and may contain leading zeros.
8	ACCUR *	Estimated accuracy for the reported latitude and longitude, in meters. DECIMAL NUMERIC field with a maximum of six characters (including the decimal point) and may have up to two digits after the decimal point.
9	LLMETH *	One character alphanumeric field which indicates the method used to determine the latitude and longitude. Contains one of the following: C - Calculated from map D - Digitized from a map G - Global Positioning System L - Loran-C U - Unknown O - other method not listed above
10	OMETH	Any method for which there is no code. This field consists of 32 character ALPHANUMERIC field, left justified. This field is REQUIRED if "O" is entered in the method field above.
11	COMMENT	Any additional information the user feels necessary, which may not be accomodated in a defined field. Must be ALPANUMERIC consisting of up to 40 characters.

Datafile SAMPLE.DAT

field no.	field name	Description
1	SAMPLE_KEY *	Unique sample identifier. Consists of a forty-two character field, left justified, containing:

column:	description:
1-12	Unique site identifier as assigned by EPA. Must be alphanumeric.
13-17	Unique solid waste management unit designator. Must be alphanumeric.
18	Media status indicator. Must contain one of the following: C - compliance monitoring station B - baseline monitoring station A - other ambient monitoring station.
19 - 27	Unique station identifier. Must be alphanumeric.
28 - 42	Unique sample identifier. Must be alphanumeric.

2	DELTH *	Vertical displacement of sample from the reference elevation (in feet) of the sampling station. For surface water, soils, and groundwater stations this would be the depth of the sample and for air monitoring stations, the height above ground. Must be DECIMAL NUMERIC consisting of a maximum of six characters (including the decimal) and may have up to two digits after the decimal point.
3	DATE *	Date of sample collection. Eight character integer field consisting of:

columns	content
1-4	year including century, e.g. 1989.
5-6	numeric month.
7-8	numeric day of month.

Column numbers are relative to the beginning of the DATE field. Each subfield described above must be right justified, and may contain leading zeros.

4	TIME *	Time (in military format) of sample collection. INTEGER NUMERIC consisting of four characters.
5	SSTAT *	Station status or condition. Used primarily for groundwater monitoring stations. ALPHANUMERIC consisting of one character. The character must be one of the following:

		D - Dry O - obstructed W - Destroyed F - Flowing P - Pumping X - Surficial inflow Z - other
		FIELD MEASUREMENTS
6	TEMP	Sample temperature in degrees Celsius. DECIMAL NUMERIC consisting of six characters (including the decimal) and may have up to two digits after the decimal point.
7	PH	Sample pH in standard units. DECIMAL NUMERIC consisting of four characters (including the decimal) and may have one digit after the decimal point.
8	COND	Specific Conductance in uMhos. INTEGER NUMERIC consisting of a maximum of six characters.
9	TURB	Turbidity. INTEGER NUMERIC consisting of a maximum of eight characters. May be reported in JTU or NTU, as required by program.
0	WLEVEL	Well water level, or stream gage height, in feet. Measured relative to the reference datum. Item is DECIMAL NUMERIC consisting of a maximum of six characters (including the decimal) and may have up to two digits following the decimal point.
11	WINDSP	Wind speed in km/h. DECIMAL NUMERIC consisting of a maximum of six characters (including the decimal), and may have up to two digits after the decimal point.
12	WINDIR	Wind direction in degrees. INTEGER NUMERIC consisting of a maximum of four characters.
13	SAMMETH	Method used to collect sample. ALPHANUMERIC field, left justified, consisting of up to 20 characters.
14	SAMPLER	Name of Agency of Organization that collected the sample. Must be ALPHANUMERIC consisting of up to 20 characters.
15	COMMENT	Any additional information the user feels necessary, which may not be accomodated in a defined field. Must be ALPANUMERIC consisting of up to 40 characters.

field no.	field name	field Description
1	STATION_KEY *	Unique station identifier. Consists of a twenty-seven character alphanumeric field, left justified, containing:

column:	description:
1-12	Unique site identifier as assigned by EPA. Must be alphanumeric.
13-17	Unique solid waste management unit designator. Must be alphanumeric.
18	Media status indicator. Must contain one of the following: C - compliance monitoring station B - baseline monitoring station A - other ambient monitoring station.
19 - 27	Unique station identifier. Must be alphanumeric.

2	AQNAM *	USGS Aquifer Code for aquifer from which samples are obtained. Alphanumeric field with up to eight characters.
3	TOTDP	Total depth to which the hole was drilled, bored or dug in feet below land surface datum. DECIMAL NUMERIC field with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point.
4	DRMTH	Method by which well was constructed. Must be ALPHANUMERIC, consisting of a single character. The character must be one of the following: H - hollow stem auger S - solid stem auger C - cable tool R - rotary V - reverse rotary D - dug J - water jet A - air percussion O - other
5	DRFLD	Fluid used to lubricate cutting tool and/or remove materials from hole. Must be ALPHANUMERIC, consisting of a single character. The character must be one of the following: A - air M - other mud B - bentonite N - none W - water O - other fluid
6	DVMTH	Method by which well was developed. Must be ALPHANUMERIC, consisting of a single character. The character must be one of the following: A - air lift pump B - bailed C - compressed air J - jetted

		P - other pump Z - other method S - surged N - none
7	DVHRS	Time in hours during which well was developed. Must be INTEGER NUMERIC, consisting of up to 9 digits.
8	SPLTRT	Any special treatment that was applied during the well development process. Must be ALPHANUMERIC, consisting of a single character, which must be one of the following: C - chemicals D - dry ice E - explosives F - deflocculant H - hydrofracturing M - mechanical Z - other N - none
9	LIFT	Type of lift indicator. Must be Alphanumeric, consisting of a single character. The character must be one of the following: A - air lift R - rotary pump B - bucket S - submersible pump C - centrifugal pump T - turbine J - jet pump U - unknown P - Piston pump Z - other
10	NOSEG	Number of bore hole sections. A bore hole section is defined as a length of bore hole of constant diameter. Bore hole sections are designated numerically from top to bottom of bore hole. INTEGER NUMERIC field containing a value of one two, or three.
11	SGDIA1	Diameter of first bore hole section, in inches.
12	SGDIA2	Diameter of second bore hole section, in inches.
13	SGDIA3	Diameter of third bore hole section, in inches. Each of the SGDIAx fields is DECIMAL NUMERIC, containing up to twelve characters (including the decimal point), and may have up to two digits following the decimal point.
14	STELV1	The depth to the top of the first bore hole section .
15	STELV2	The depth to the top of the second bore hole section .
16	STELV3	The depth to the top of the third bore hole section . Each of the STELVx fields is DECIMAL NUMERIC with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. These depths are measured relative to land surface datum.
17	SBELV1	The depth to the bottom of the first bore hole section.
18	SBELV2	The depth to the bottom of the second bore hole

		section.
19	SBELV3	The depth to the bottom of the third bore hole section. Each of the SBELVx fields is DECIMAL NUMERIC with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. These depths are measured relative to land surface datum.
20	NOCAS	Number of casing sections. A casing section is defined as a length of casing of constant diameter and uniform material. Casing sections are designated numerically from top to bottom of well. INTEGER NUMERIC field containing a value of one, two, or three.
21	TCELV1	The depth to the top of the first section of casing(in feet).
22	TCELV2	The depth to the top of the second section of casing(in feet).
23	TCELV3	The depth to the top of the third section of casing(in feet). The TCELVx fields are DECIMAL NUMERIC, each with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. These depths are measured relative to land surface datum.
24	BCELV1	The depth to the bottom of the first section of casing, in feet.
25	BCELV2	The depth to the bottom of the second section of casing, in feet.
26	BCELV3	The depth to the bottom of the third section of casing, in feet. The BCELVx fields are DECIMAL NUMERIC, each with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. These depths are measured relative to land surface datum.
27	CIDIA1	Inside diameter of the first section of casing, in inches.
28	CIDIA2	Inside diameter of the second section of casing, in inches.
29	CIDIA3	Inside diameter of the third section of casing, in inches. The CIDIAx fields are DECIMAL NUMERIC, each with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point.
30	CODIA1	Outside diameter of the first section of casing, in inches.

31	CODIA2	Outside diameter of the second section of casing, in inches.
32	CODIA3	Outside diameter of the third section of casing, in inches. The CODIAx fields are DECIMAL NUMERIC, each with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point.
33	CMATR1	Description or name of casing material from which the first section of casing is made.
34	CMATR2	Description or name of casing material from which the second section of casing is made.
35	CMATR3	Description or name of casing material from which the third section of casing is made. The CMATRx fields are ALPHANUMERIC, each with a maximum of eight characters.
		OPEN INTERVAL - any portion of the well in which the interior of the well is not isolated from the surrounding soil and rock by unbreached casing.
36	OPTYP	Indicator of the type of opening in the open interval. The field is ALPHANUMERIC, consisting of a single character. The character must be one of the following: O - open end P - perforated or slotted S - screened T - sand point W - walled X - open hole Z - other
37	TOELV	The depth to the top of the open interval. The TOELV field is DECIMAL NUMERIC with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. Measured relative to land surface.
38	BOELV	The depth to the bottom of the open interval. The BOELV field is DECIMAL NUMERIC with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. Measured relative to land surface.
39	OMATR	Description or name of material used to screen the open interval. The OMATR field is ALPHANUMERIC with a maximum of eight characters.
40	OWIDT	Width or short dimension of slot or mesh of screen material for the open interval, in inches. The OWIDT field is DECIMAL NUMERIC with up to twelve characters (including the decimal), and may have up to 3 digits following the decimal point.
41	OLENG	Length or long dimension of slot or mesh of

		screen material for the open interval, in inches. The OLENG field is DECIMAL NUMERIC with up to twelve characters (including the decimal), and may have up to 3 digits following the decimal point.
		FILTER PACK - material placed in the annulus of the well between the borehole wall and the well screen to prevent formation material from entering through the well screen.
42	FPMTH	Indicator for method of filter pack placement. Must be ALPHANUMERIC consisting of a single character. The character must be one of the following: A - dropping material down the hole and tamping B - dropping material down hollow-stem auger T - tremie pipe O - other
43	FPMAT	Description or name of the material which forms the filter pack. Must be ALPHANUMERIC, consisting of up to eight (8) characters.
44	FPGRN	Grain size of the material which forms the filter pack, in mesh guage. Must be INTEGER NUMERIC, with up to four characters.
45	TFELV	The depth to the top of the filter pack. The TFELV field is DECIMAL NUMERIC with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. Measured relative to land surface.
46	BFELV	The depth to the bottom of the filter pack. The BFELV field is DECIMAL NUMERIC with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. Measured relative to land surface.
		ANNULAR SEALANT - material used to seal the space between the borehole and the casing of the well. The annular sealant is placed directly above the filter pack to prevent the migration of contaminants to the sampling zone from the surface or intermediate zones and prevent cross contamination between strata.
47	SLMTH	Indicator for method of sealant placement. Must be ALPHANUMERIC consisting of a single character. The character must be one of the following: A - dropping material down the hole and tamping B - dropping material down hollow-stem auger T - tremie pipe O - other
48	SLMATR	Description or name of the material which forms the seal above the filter pack against entry of surface water. Must be ALPHANUMERIC, consisting of a single character. The character must be one of the following:

B - bentonite
C - other clay
G - cement
Z - other
N - none

49	TSLELV	The depth to the top of the annular seal. The TSLELV field is DECIMAL NUMERIC with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. Measured relative to land surface.
50	BSLELV	The depth to the bottom of the annular seal. The BSLELV field is DECIMAL NUMERIC with a maximum of twelve characters (including the decimal point) and may have up to two digits after the decimal point. Measured relative to land surface.
51	SRFSL	Surface seal Indicator. Indicates whether or not the upper portion of the borehole is sealed to prevent inflow of surface water. Single character ALPHANUMERIC, containing "Y" if well is sealed. Otherwise contains "N".
52	DNGRAD	Downgradient indicator. Indicates whether or not, the well has been installed hydraulically downgradient of the source of potential groundwater pollution, and is capable of detecting the migration of contaminants. Single character ALPHANUMERIC, containing "Y" if well is downgradient from waste disposal site. Otherwise contains "N".
53	DRLOG	Drillers log indicator. Indicates availability of drillers log. Single character ALPHANUMERIC, containing "Y" if log is available. Otherwise contains "N".
54	LTHLG	Lithologic log indicator. Lithologic log shows distribution of lithology with depth in the bore hole. Single character ALPHANUMERIC, containing "Y" if log is available. Otherwise contains "N".
55	WLUSE *	Well use indicator. Must be ALPHANUMERIC, consisting of a single character. The character must be one of the following: D - domestic (private) water supply I - industrial water supply M - monitoring well P - public water supply O - other
56	COMMENT	Supplemental information as needed. May contain up to 80 alphanumeric characters.

Appendix B

ATTACHMENT A/C
LABORATORY ANALYSIS DATA
IFF FIELD WORKSHEET*

Parm.dat and Sample.dat Information

Parm.dat Information

*A1(1-12)	1. Site Identification No.	_| _| _| _| _| _| _| _| _| _| _| _|
*A1(13-18)	2. Waste Management Unit	_| _| _| _| _| _|
	3. (Leave Blank)	
*A1(19-27)	4. Unique station identifier	_| _| _| _| _| _| _| _| _|
*A1(28-42)	5. Unique sample identifier	_| _| _| _| _| _| _| _| _| _| _| _| _| _| _|
*A1(43-54)	6. Parameter identifier (CAS No.)	_| _| _| _| _| _| _| _| _| _| _| _|
*A1(55-58)	7. Replicate Number (Integer Numeric)	_| _| _| _|
*A2	8. Qualifier Field	N/A
*A3	9. Analytical Result	_| _| _| _| _| _| _| _|•_| _| _| _|
*A4	10. Unit of Measurement	_| _| _| _| _| _|
*A5	11. Analytical Method or Technique	_| _| _| _| _| _| _| _| _| _| _| _| _| _|
*A6(1-4)	12. Year of Analysis	_| _| _| _|
*A6(5-6)	13. Month of Analysis (Numeric)	_| _|
*A6(7-8)	14. Day of Month Analysis	_| _|
A7	15. Detection Limit (Same Units as #9)	_| _| _| _| _| _| _| _|•_| _| _| _|
A8	16. Name of Laboratory	_| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _|
A9	17. Additional Comments	_| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _|

Site ID #_____
Waste Man Unit_____
Station ID_____
Sample ID

Sample.dat

C-2	18. Vertical displacement of sample from reference datum	_| _| _|•_| _|
C-3	19. Date sample was collected	y| y| y| y| m| m| d| d|
C-4	20. Time (military) sample was collected	_| _| _| _|
C-5	21. Condition of sample location	_|

D - Dry
O - Obstructed
W - Destroyed
F - Flowing
P - Pumping
Z - Other

C-6	22. Temperature	_| _| _|•_| _|
C-7	23. pH	_| _|•_|
C-8	24. Specific conductivity in uMhos	_| _| _| _| _| _|
C-9	25. Sample turbidity	_| _| _| _| _| _| _| _|
C-10	26. Well water level (or stream gage height)	_| _| _|•_| _|
C-11	27. Wind speed	_| _| _|•_| _|
C-12	28. Wind direction	_| _| _| _|
C-13	29. Sample collection method	_| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _|
C-14	30. Name of organization collecting samples	_| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _|
C-15	31. Comment field. May be up to 40 alphanumeric characters	_| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _| _|

Key

Fields

Parm.Dat - A
Well.Dat - D
Station.Dat - B
Sample.Dat - C

A1 - indicates File A, Field 1
A1(17-19) - indicates File A, Field 1, Columns 17-19

* All entries should be alphanumeric and left justified unless noted otherwise

ATTACHMENT B
WELL LOCATION DATA
IFF FIELD WORKSHEET *

Station.Dat Information

*B1(1-12)	1. Site Identification No.	_| _| _| _| _| _| _| _| _| _| _| _|
*B1(13-17)	2. Waste Management Unit	_| _| _| _| _| _|
	3. (Leave Blank)	
*B1(19-27)	4. Unique station identifier	_| _| _| _| _| _| _| _| _|
*B-2	5. Type of media collected	_| _| _| _|
	AIR - Air sample station	
	SWTR - Surface water station	
	GWTR - Ground water station	
	SOIL - Soil sampling station	
	SED - Sediment sampling station	
	SLDG - Process sludge station	
*B-3	6. Northing	_| _| _| _| _| _| _|•_| _| _| _|
*B-4	7. Easting	_| _| _| _| _| _| _|•_| _| _| _|
*B-5	8. Elevation of land surface	_| _| _| _| _| _| _| _| _|•_| _|
*B-6	9. Reference elevation (i.e. top of casing)	_| _| _| _| _| _| _| _| _|•_| _|
B-7	10. Date of station installation	_| _| _| _| _| _| _| _| (y y y y m m d d)
B-8	11. Estimated accuracy of the Northing and Easting	_| _| _| _|•_| _|
*B-9	12. Method used to determine Northing or Easting	_|

C - Calculated from map
U - Unknown
G - Global positioning system
O - Other method not listed

L - Loran-C
D - Digitized from map
S - Field survey

Site ID #_____
Waste Man Unit_____
Station ID_____
Sample ID_____

Sample.dat (Cont.)

B-10 13. Any method for which there is no listed code

B-11 14. Additional comments

Key

Fields

Parm.Dat - A	A1 - indicates File A, Field 1
Well. Dat - D	A1(17-19) - indicates File A, Field 1, Columns 17-19
Station.Dat - B	
Sample.Dat - C	* All entries should be alphanumeric and left justified unless noted otherwise

ATTACHMENT D
WELL CONSTRUCTION DATA
IFF FIELD WORKSHEET*

Well.Dat Information

*D1(1-12)	1. Site Identification No.	_| _| _| _| _| _| _| _| _| _| _| _|
*D1(13-17)	2. Waste Management Unit	_| _| _| _| _| _|
	3. (Leave Blank)	
*D1(19-27)	4. Unique station identifier	_| _| _| _| _| _| _| _| _|
*D-2	5. Aquifer name	_| _| _| _| _| _| _| _|
D-3	6. Total depth of boring	_| _| _| _| _| _| _| _| _|•_| _|
D-4	7. Drilling method	_|

H - Hollow stem
S - Solid stem
C - Cable tool
R - Rotary
V - Reverse rotary
D - Dug
J - Water jet
A - Air percussion
O - Other

D-5	8. Lubricating fluid	_|

A - Air
M - Mud other than bentonite
B - Bentonite
N - None
W - Water
O - Other fluid

D-6	9. Method of development	_|

A - Air lift
B - Bailed
C - Compressed Air
J - Jetted
P - Other pump
S - Surged
Z - Other
N - None

D-7	10. Hours of development	_| _| _| _| _|
D-8	11. Special treatment of well during drilling or development	_|

C - Chemicals
D - Dry ice
E - Explosives
F - Deflocculant
H - Hydrofracture
M - Mechanical
Z - Other
N - None

D-9	12. Type of lifting mechanism (This field is used to record the well setup. For instance, a domestic well may have a permanently installed pump.)	_|

A - Air lift
R - Rotary pump
B - Bucket
S - Submersible pump
C - Centrifugal pump
T - Turbine
J - Jet pump
U - Unknown
P - Piston pump
Z - Other

Site ID # _____
Waste Man Unit _____
Station ID _____
Sample ID _____

Well.dat Information (cont.)

D-10 13. Number of borehole sections _|

D-11 14. Diameter of first borehole (inches) _| _| _| _| _| _| _| _| _|•_| _|

D-12 15. Diameter of second borehole (inches) _| _| _| _| _| _| _| _| _|•_| _|

D-13 16. Diameter of third borehole (inches) _| _| _| _| _| _| _| _| _|•_| _|

D-14 17. The depth to the top of the first borehole section, measured from ground surface (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-15 18. The depth to the top of the second borehole section (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-16 19. The depth to the top of the third borehole section (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-17 20. The depth to the bottom of the first borehole (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-18 21. The depth to the bottom of the second borehole (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-19 22. The depth to the bottom of the third borehole (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-20 23. Number of casing sections _|

D-21 24. The depth to the top of the first section of casing (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-22 25. The depth to the top of the second section of casing (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-23 26. The depth to the top of the third section of casing (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-24 27. The depth to the bottom of the first section of casing (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-25 28. The depth to the bottom of the second section of casing (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-26 29. The depth to the bottom of the third section of casing (feet) _| _| _| _| _| _| _| _| _|•_| _|

D-27 30. Inside diameter of the first section of casing (inches) _| _| _| _| _| _| _| _| _|•_| _|

Site ID #_____
Waste Man Unit_____
Station ID_____
Sample ID_____

Well.dat Information (cont.)

D-28 31. Inside diameter of the second section of casing (inches) _|_|_|_|_|_|_|_|_|•_|_|

D-29 32. Inside diameter of the third section of casing (inches) _|_|_|_|_|_|_|_|_|•_|_|

D-30 33. Outside diameter of the first section of casing (inches) _|_|_|_|_|_|_|_|_|•_|_|

D-31 34. Outside diameter of the second section of casing (inches) _|_|_|_|_|_|_|_|_|•_|_|

D-32 35. Outside diameter of the third section of casing (inches) _|_|_|_|_|_|_|_|_|•_|_|

D-33 36. Casing material of first section of casing material _|_|_|_|_|_|_|_|

D-34 37. Casing material of second section of casing material _|_|_|_|_|_|_|_|

D-35 38. Casing material of third section of casing material _|_|_|_|_|_|_|_|

D-36 39. Type of screen _|

O - Open hole
P - Perforated or slotted
S - Screened
W - Well point
H - Hydropunch
Z - Piezometer
Y - Other

D-37 40. Depth to the top of the open or screened section (feet) _|_|_|_|_|_|_|_|_|•_|_|

D-38 41. Depth to the bottom of the open or screened section (feet) _|_|_|_|_|_|_|_|_|•_|_|

D-39 42. Screen material _|_|_|_|_|_|_|_|

D-40 43. Screen or slot size (inches) _|_|_|_|_|_|_|_|_|•_|_|

D-41 44. Reserved field _|_|_|_|_|_|_|_|_|•_|_|

D-42 45. Filter pack placement method _|

A - Dropping material down the hole
B - Dropping material down hollow stem auger
T - Tremie pipe
O - Other

Site ID #_____
Waste Man Unit_____
Station ID_____
Sample ID_____

Well.dat Information (cont.)

D-43 46. Name of filter pack material _|_|_|_|_|_|_|_|

D-44 47. Filter pack grain size _|_|_|_|_|_|_|_|

D-45 48. The depth to the top of the filter pack (feet) _|_|_|_|_|_|_|_|_|•_|_|

D-46 49. The depth to the bottom of the filter pack (feet) _|_|_|_|_|_|_|_|_|•_|_|

D-47 50. Method of sealant placement _|

A - Dropping material down the hole
B - Dropping material through hollow stem auger
T - Tremie pipe
O - Other

D-48 51. Description of sealant material _|

B - Bentonite
G - Cement
Z - Other
N - None

D-49 52. Depth to the top of the annular seal (feet) _|_|_|_|_|_|_|_|_|•_|_|

D-50 53. Depth to the bottom of the annular seal (feet) _|_|_|_|_|_|_|_|_|•_|_|

D-51 54. Surface seal indicator _|

D-52 55. Downgradient indicator _|

D = Downgradient
U = Upgradient

D-53 56. Driller's log indicator _|

D-54 57. Lithologic log indicator _|

*D-55 58. Well use indicator _|

D - Domestic
I - Industrial
M - Monitoring well
P - Public
O - Other

Site ID #_____
Waste Man Unit_____
Station ID_____
Sample ID_____

Well.dat Information (cont.)

D-56 59. Supplemental comments

_| _| _| _| _| _| _| _| _| _| _| _| _|
_| _| _| _| _| _| _| _| _| _| _| _| _|
_| _| _| _| _| _| _| _| _| _| _| _| _|
_| _| _| _| _| _| _| _| _| _| _| _| _|
_| _| _| _| _| _| _| _| _| _| _| _| _|
_| _| _| _| _| _| _| _| _| _| _| _| _|
_| _| _| _| _| _| _| _| _|

KEY

Fields

Parm.Dat - A
Well.Dat - D
Station.Dat - B
Sample.Dat - C

A1 - indicates File A, Field 1
A1 (17-19) - indicates File A, Field 1, Columns 17-19

* All entries should be alphanumeric and left justified unless noted otherwise

Appendix C

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(Updated 02/18/94)

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Appendix D

TABLE NO. 1
GROUND-WATER WELL SUMMARY
WITH WELL AND BORING LOG FIELDS
REDSTONE ARSENAL, ALABAMA
VISTA CONTRACT NO. DAAH03-93-D-0005
(Updated 02/18/94)

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
GW-004							
GW-013							
GW-020							
RS-007	1,505,257.40	258,473.09	*2*	UNIT - 3/ AREA Q5	TESTING, INC.	N/A	Y
RS-008	1,505,260.37	258,964.98	*2*	UNIT - 3/ AREA Q5	TESTING, INC.	N/A	Y
RS-009	1,504,898.30	258,738.98	*2*	UNIT - 3/ AREA Q5	TESTING, INC.	N/A	Y
RS-011	1,503,787.21	253,339.46	*18*	UNIT - 3/ AREA Q5	TESTING, INC.	Y	Y
RS-015	1,504,272.93	253,443.47	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-020	1,501,814.85	257,406.35	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-021	1,502,047.98	257,173.16	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-022	1,501,599.39	256,579.46	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-023	1,501,222.08	256,679.56	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-025	1,503,519.11	257,331.84	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-026	1,503,512.22	257,035.45	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-027	1,503,935.91	257,376.86	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-028	1,504,184.37	257,686.88	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-029	1,504,658.30	257,844.95	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-030	1,504,750.07	257,065.44	*18*	UNIT - 3/ AREA Q4	TESTING, INC.	Y	Y
RS-031	1,504,109.40	254,993.56	*18*	UNIT - 3/ AREA Q3	TESTING, INC.	Y	Y
RS-032	1,503,920.95	254,723.03	*18*	UNIT - 3/ AREA Q3	TESTING, INC.	Y	Y
RS-033	1,503,600.98	255,043.52	*18*	UNIT - 3/ AREA Q3	TESTING, INC.	Y	Y
RS-034	1,508,747.33	256,110.97	*18*	UNIT - 3/ AREA T	TESTING, INC.	Y	Y
RS-035	1,508,330.29	256,662.00	*18*	UNIT - 3/ AREA T	TESTING, INC.	Y	Y
RS-036	1,508,261.90	256,129.86	*18*	UNIT - 3/ AREA T	TESTING, INC.	Y	Y
RS-36A	1,508,320.00	255,923.00	21	UNIT - 3/ AREA T	TESTING, INC.	Y	Y
RS-037	1,507,843.77	256,017.51	*18*	UNIT - 3/ AREA S	TESTING, INC.	Y	Y
RS-038	1,507,761.66	256,942.11	*18*	UNIT - 3/ AREA S	TESTING, INC.	Y	Y
RS-039	1,507,146.07	256,752.61	*18*	UNIT - 3/ AREA S	TESTING, INC.	Y	Y
RS-040	1,485,108.12	251,570.29	*18*	UNIT - 3/ AREA Z	TESTING, INC.	Y	Y
RS-041	1,484,589.92	251,952.82	*18*	UNIT - 3/ AREA Z	TESTING, INC.	Y	Y
RS-042	1,484,999.30	251,138.26	*18*	UNIT - 3/ AREA Z	TESTING, INC.	Y	Y
RS-043	1,484,750.52	251,122.17	*18*	UNIT - 3/ AREA Z	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-044	1,500,308.82	251,672.06	*18*	UNIT - 3/ AREA P	TESTING, INC.	Y	Y
RS-045	1,499,438.73	250,355.23	*18*	UNIT - 3/ AREA O	TESTING, INC.	Y	Y
RS-046	1,499,296.29	252,860.04	*18*	UNIT - 3/ AREA O	TESTING, INC.	Y	Y
RS-047	1,499,686.85	251,296.59	*18*	UNIT- 3/ AREA O	TESTING, INC.	Y	Y
RS-048	1,508,312.46	259,032.44	*18*	UNIT - 3/ AREA U	TESTING, INC.	Y	Y
RS-049	1,507,905.92	259,976.65	*18*	UNIT - 3/ AREA U	TESTING, INC.	Y	Y
RS-050	1,507,366.35	258,937.31	*18*	UNIT - 3/ AREA U	TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-051	1,507,322.93	259,216.59	*18*	UNIT - 3/ AREA U	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-052	1,512,898.80	252,474.19	*18*	UNIT - 3/ AREA F	TESTING, INC.	Y	Y
RS-053	1,512,371.06	252,547.12	*18*	UNIT - 3/ AREA F	TESTING, INC.	Y	Y
RS-054	1,512,230.41	252,196.48	*18*	UNIT - 3/ AREA F	TESTING, INC.	Y	Y
RS-055	1,512,367.23	252,509.04	*18*	UNIT - 3/ AREA F	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-056	1,494,528.39	234,245.90	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-057	1,503,367.82	235,375.33	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-058	1,509,010.27	236,266.44	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-059	1,515,974.78	236,955.25	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-060	1,520,296.71	240,314.91	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-061	1,526,133.72	237,333.11	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-062	1,530,263.03	245,376.04	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-064	1,532,006.01	260,535.87	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-065	1,522,701.25	266,019.24	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-066	1,517,289.51	266,297.34	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-067	1,499,406.50	251,484.52	*18*	UNIT - 3/ AREA O	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-068	1,504,297.74	268,680.25	*18*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-069	1,498,965.93	273,288.04	*18*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-070	1,491,062.59	273,239.51	*18*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-071	1,490,618.47	266,510.49	*18*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.	Y	Y
RS-072	1,507,604.03	264,356.28	*18*	UNIT - 3/ AREA W	TESTING, INC.		Y
RS-073	1,507,153.07	264,451.87	*18*	UNIT - 3/ AREA W	TESTING, INC.		Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-074	1,506,708.89	264,640.36	*18*	UNIT - 3/ AREA W	TESTING, INC.		Y
RS-075	1,507,327.85	264,824.08	*18*	UNIT - 3/ AREA W	TESTING, INC.		Y
RS-076	1,506,706.64	265,045.26	*18*	UNIT - 3/ AREA W	TESTING, INC.		Y
RS-077	1,503,788.21	254,277.74	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-078	1,502,409.01	253,530.84	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-079	1,502,310.49	254,183.42	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-080	1,502,333.12	254,951.48	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-081	1,504,571.00	253,079.60	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-082	1,503,952.10	253,114.60	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-083	1,503,953.30	253,304.40	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-084	1,504,036.50	253,361.80	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-085	1,504,021.53	253,642.99	*18*	UNIT - 1	TESTING, INC.	Y	Y
RS-086	1,504,576.00	253,996.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-087	1,503,272.00	254,582.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-088	1,502,035.00	254,728.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-089	1,502,380.00	255,352.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-090	1,502,968.00	253,185.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-091	1,502,335.00	253,034.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-092	1,502,973.00	253,190.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-093	1,502,320.00	254,189.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-094	1,502,336.00	254,944.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-095	1,503,800.00	253,333.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-096	1,480,582.00	249,855.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-097	1,481,031.00	250,150.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-098	1,481,252.00	249,948.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-099	1,480,069.00	249,308.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-100	1,481,163.00	249,241.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-101	1,480,943.00	249,546.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-102	1,481,161.00	249,235.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-103	1,480,606.00	249,298.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-104	1,481,019.00	250,150.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-105	1,480,578.00	249,846.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-106	1,481,244.00	249,948.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-107	1,482,094.00	249,426.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-108	1,482,522.00	249,156.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-109	1,482,423.00	248,280.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-110	1,482,137.00	248,284.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-111	1,516,645.00	263,634.00	17	UNIT - 3/ AREA G	PELA/ TESTING, INC.	Y	Y
RS-112	1,516,737.00	264,105.00	17	UNIT - 3/ AREA G	PELA/ TESTING, INC.	Y	Y
RS-113	1,516,834.00	263,994.00	17	UNIT - 3/ AREA G	PELA/ TESTING, INC.	Y	Y
RS-114	1,516,895.00	263,923.00	17	UNIT - 3/ AREA G	PELA/ TESTING, INC.	Y	Y
RS-115	1,504,828.00	238,687.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-116	1,504,339.00	238,153.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-117	1,505,455.00	238,711.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-118	1,505,159.00	238,268.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-119	1,501,966.00	238,437.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-120	1,500,927.00	238,133.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-121	1,501,116.00	238,978.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-122	1,500,862.00	237,612.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-123	1,498,633.00	246,022.00	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.	Y	Y
RS-124	1,498,931.00	246,022.00	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.	Y	Y
RS-125	1,498,908.00	245,658.00	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.	Y	Y
RS-126	1,498,786.00	245,484.00	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.	Y	Y
RS-127	1,498,390.00	245,510.00	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.	Y	Y
RS-128	1,501,792.00	247,594.00	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-129	1,501,608.00	246,596.00	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-130	1,502,038.00	246,176.00	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-131	1,502,421.00	245,889.00	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-132	1,502,616.00	246,514.00	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-133	1,502,616.00	246,614.00	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-134	1,500,656.00	252,407.00	17	UNIT - 3/ AREA P	PELA/ TESTING, INC.	Y	Y
RS-135	1,500,279.00	252,364.00	17	UNIT - 3/ AREA P	PELA/ TESTING, INC.	Y	Y
RS-136	1,500,893.00	251,105.00	17	UNIT - 3/ AREA P	PELA/ TESTING, INC.	Y	Y
RS-137	1,500,011.00	252,501.00	17	UNIT - 3/ AREA P	PELA/ TESTING, INC.	Y	Y
RS-138	1,502,686.00	255,766.00	17	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.	Y	Y
RS-139	1,502,670.00	255,394.00	17	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-140	1,508,275.00	260,621.00	17	UNIT - 3/ AREA V	PELA/ TESTING, INC.	Y	Y
RS-141	1,506,978.00	260,477.00	17	UNIT - 3/ AREA V	PELA/ TESTING, INC.	Y	Y
RS-142	1,484,656.00	250,530.00	17	UNIT - 3/ AREA Z	PELA/ TESTING, INC.	Y	Y
RS-143	1,484,482.00	249,922.00	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.	Y	Y
RS-144	1,485,640.00	248,354.00	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.	Y	Y
RS-145	11,486,501.00	248,294.00	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.	Y	Y
RS-146	1,486,512.00	249,175.00	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.	Y	Y
RS-147	1,487,602.00	249,247.00	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.	Y	Y
RS-148	1,484,819.00	249,135.00	17	UNIT - 3/ AREA X1	PELA/ TESTING, INC.	Y	Y
RS-149	1,484,429.00	249,168.00	17	UNIT - 3/ AREA X1	PELA/ TESTING, INC.	Y	Y
RS-150	1,484,483.00	248,416.00	17	UNIT - 3/ AREA X1	PELA/ TESTING, INC.	Y	Y
RS-151	1,484,924.00	248,357.00	17	UNIT - 3/ AREA X1	PELA/ TESTING, INC.	Y	Y
RS-152	1,483,954.00	251,041.00	17	UNIT - 3/ AREA Z	PELA/ TESTING, INC.	Y	Y
RS-153	1,482,734.00	250,938.00	17	UNIT - 3/ AREA Y	PELA/ TESTING, INC.	Y	Y
RS-154	1,481,700.00	250,899.00	17	UNIT - 3/ AREA Y	PELA/ TESTING, INC.	Y	Y
RS-155	1,480,784.00	250,859.00	17	UNIT - 2 ????	PELA/ TESTING, INC.	Y	Y
RS-156	1,487,355.00	251,599.00	17	UNIT - 3/ AREA AA	PELA/ TESTING, INC.	Y	Y
RS-157	1,486,111.00	252,384.00	17	UNIT - 3/ AREA AA	PELA/ TESTING, INC.	Y	Y
RS-158	1,486,990.00	252,472.00	17	UNIT - 3/ AREA AA	PELA/ TESTING, INC.	Y	Y
RS-159	1,491,904.00	262,224.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-160	1,491,845.00	262,299.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-161	1,491,764.00	262,329.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-162	1,492,636.00	263,958.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-163	1,492,174.00	264,399.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-164	1,491,645.00	263,557.00	17	UNIT - 3	PELA/ TESTING, INC.	Y	Y
RS-165	1,508,886.00	256,925.00	17	UNIT - 3/ AREA S & T	PELA/ TESTING, INC.	Y	Y
RS-166	1,507,171.00	255,908.00	17	UNIT - 3/ AREA S & T	PELA/ TESTING, INC.	Y	Y
RS-167	1,507,704.00	265,260.00	17	UNIT - 3/ AREA W	PELA/ TESTING, INC.	Y	Y
RS-168	1,507,076.00	265,253.00	17	UNIT - 3/ AREA W	PELA/ TESTING, INC.	Y	Y
RS-169	1,502,040.00	254,738.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-170	1,502,180.00	253,727.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-171	1,502,179.00	253,724.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-172	1,502,418.00	253,524.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-173	1,502,776.00	254,339.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-174	1,502,783.00	254,346.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-175	1,504,303.00	253,786.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-176	1,504,304.00	253,792.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-177	1,503,681.00	253,664.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-178	1,503,677.00	253,670.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-179	1,502,379.00	255,359.00	18	UNIT - 1	PELA/ TESTING, INC.	Y	Y
RS-180	1,480,944.00	249,541.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-181	1,480,644.00	250,255.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-183	1,481,439.00	250,593.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-184	1,481,436.00	250,587.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-185	1,481,704.00	249,948.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-186	1,481,705.00	249,955.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-187	1,482,522.00	249,147.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-188	1,482,423.00	248,286.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-189	1,482,249.00	247,998.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-190	1,482,257.00	247,996.00	18	UNIT - 2	PELA/ TESTING, INC.	Y	Y
RS-191	1,503,920.00	254,714.00	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.	Y	Y
RS-192	1,503,196.00	255,648.00	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.	Y	Y
RS-193	1,502,926.00	255,141.00	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.	Y	Y
RS-194	1,502,911.00	255,137.00	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.	Y	Y
RS-195	1,502,422.00	255,962.00	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.	Y	Y
RS-196	1,502,576.00	255,962.00	21	UNIT - 3/ AREA Q3	PEAL/ TESTING, INC.	Y	Y
RS-197	1,502,361.00	256,287.00	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.	Y	Y
RS-198	1,501,589.00	256,580.00	21	UNIT - 3/ AREA Q4	PELA/ TESTING, INC.	Y	Y
RS-199	1,501,589.00	257,132.00	21	UNIT - 3/ AREA Q4	PELA/ TESTING, INC.	Y	Y
RS-200	1,509,223.00	256,597.00	21	UNIT - 3/ AREA T	PELA/ TESTING, INC.	Y	Y
RS-201	1,507,750.00	255,762.00	21	UNIT - 3/ AREA S & T	PELA/ TESTING, INC.	Y	Y
RS-202	1,509,212.00	256,595.00	21	UNIT - 3/ AREA T	PELA/ TESTING, INC.	Y	Y
RS-203	1,509,215.00	256,601.00	21	UNIT - 3/ AREA T	PELA/ TESTING, INC.	Y	Y
RS-204	1,484,630.00	248,990.00	21	UNIT - 3/ AREA X1	PELA/ TESTING, INC.	Y	Y
RS-205	1,484,645.00	249,323.00	21	UNIT - 3/ AREA X1	PELA/ TESTING, INC.	Y	Y
RS-206	1,484,578.00	251,164.00	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-207	1,484,556.00	251,459.00	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.	Y	Y
RS-208	1,484,779.00	252,018.00	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.	Y	Y
RS-209							
RS-210				UNIT - 2			
RS-211				UNIT - 2			
RS-212				UNIT - 2			
RS-213				UNIT - 2			
RS-214				UNIT - 2			
RS-215				UNIT - 2			
RS-216				UNIT - 2			
RS-217	1,502,893.00	247,064.00	21	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-218	1,502,589.00	247,683.00	21	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-219	1,502,408.00	248,157.00	21	UNIT - 3/ AREA N	PELA/ TESTING, INC.	Y	Y
RS-220	1,505,485.00	258,170.00	21	UNIT - 3/ AREA Q5 (AREA R???)	PELA/ TESTING, INC.	Y	Y
RS-221	1,504,723.00	258,277.00	21	UNIT - 3/ AREA Q5 (AREA R???)	PELA/ TESTING, INC.	Y	Y
RS-222	1,504,419.00	258,802.00	21	UNIT - 3/ AREA Q5 (AREA R???)	PELA/ TESTING, INC.	Y	Y
RS-223	1,508,356.00	256,900.00	21	UNIT - 3/ AREA T	PELA/ TESTING, INC.	Y	Y
RS-224	1,484,587.00	251,165.00	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.	Y	Y
RS-225	1,484,768.00	252,036.00	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.	Y	Y
RS-226	1,484,889.00	251,132.00	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.	Y	Y
RS-228	1,503,895.5146	254,033.1070	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-229	1,502,728.2167	254,807.3030	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-230	1,502,719.1390	254,811.0484	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-231	1,502,744.2122	254,801.2605	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-232	1,504,168.7025	252,919.3073	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-233	1,501,905.4814	253,835.6673	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-234	1,501,921.8162	253,818.4409	35	UNIT 1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-235	1,502,337.8321	254,173.2732	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-236	1,502,350.7581	254,947.3789	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-237	1,482,941.4280	248,366.4106	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-238	1,482,398.6745	248,283.1605	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-239	1,482,247.8375	247,970.3800	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-240	1,482,501.7257	249,140.5238	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-241	1,482,725.2804	248,828.5585	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-242	1,481,306.8487	248,283.0179	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-243	1,481,497.5372	249,143.3420	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-244	1,481,513.9576	249,156.4094	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-245	1,482,751.8643	249,564.3856	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-246	1,481,723.13	249,942.22	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-247	1,481,145.1215	249,241.2314	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-248	1,480,918.5943	249,535.1224	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-249	1,481,150.0601	250,049.8778	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-250	1,481,253.7164	250,929.9061	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-251	1,481,232.3432	250,894.8080	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-252	1,480,598.6580	249,843.4726	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-253	1,480,337.7095	250,057.5039	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-254	1,480,331.5498	250,038.3484	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-256	1,512,799.3920	252,741.6337	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-257	1,512,490.0845	252,922.8979	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-258	1,512,515.1809	252,451.1626	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-259	1,512,521.7061	252,433.8213	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-260	1,512,568.6543	252,208.6558	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-261	1,512,353.6285	252,530.6074	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-262	1,512,116.7829	252,655.5532	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-263	1,512,201.4838	252,275.2865	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-264	1,516,863.9935	263,944.6245	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-265	1,516,871.6744	263,934.1917	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-266	1,516,754.4107	263,806.3795	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-267	1,516,854.4250	264,112.1762	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-268	1,516,829.7980	264,189.6880	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-270	1,504,285.5373	254,521.6741	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-271	1,503,550.7964	254,706.2439	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-272	1,503,941.3732	254,712.5112	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-273	1,503,699.6629	255,465.8391	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-274	1,503,702.5493	255,456.0887	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-275	1,503,586.4596	255,054.3830	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-277	1,503,070.3868	254,844.8973	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-279	1,503,062.0761	255,987.1586	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-280	1,502,558.0423	255,970.5007	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-281	1,502,514.9746	256,480.1736	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-282	1,502,462.4585	256,913.4746	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-283	1,502,456.0560	256,928.7233	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-284	1,502,077.6015	256,532.2520	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-285	1,502,947.9501	255,937.4504	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-286	1,501,834.2269	256,314.0665	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-287	1,502,142.4600	257,267.4926	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-288	1,501,846.16	257,392.00	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-289	1,501,355.5806	256,983.3092	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-290	1,501,559.3472	257,338.3406	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-291	1,501,230.2999	256,690.4083	29	UNIT- 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-292	1,502,562.9851	256,124.9870	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-293	1,505,337.4112	258,860.2569	29	UNIT - 3/ AREA Q5 (AREA R???)	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-294	1,504,987.3459	258.896.8181	29	UNIT - 3/ AREA Q5 (AREA R???)	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-295	1,505,099.8791	258,629.8560	29	UNIT - 3/ AREA Q5 (AREA R???)	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-297	1,508,959.4848	255,774.3999	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-298	1,508,950.5582	255,781.6608	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-299	1,509,104.2999	257,147.6381	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-300	1,509,104.6829	257,178.3336	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-301	1,508,742.5565	256,094.9030	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-302	1,508,311.1802	255,898.0214	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-303	1,508,320.7705	255,909.3517	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-304	1,508,475.8754	255,534.8273	35	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-305	1,508,032.5357	255,618.4995	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-306	1,507,616.0010	256,358.3772	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-307	1,507,307.0912	255,720.9954	35	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-308	1,507,486.49	255,959.19	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-309	1,507,695.9923	256,626.6261	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-310	1,507,375.8366	256,509.7262	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-311	1,507,380.2228	256,529.8160	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-312	1,507,478.8123	257,215.5560	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-313	1,506,790.2616	256,791.2356	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-314	1,405,872.2110	248,978.7251	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-315	1,484,288.6047	249,119.1185	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-316	1,484,801.1338	248,102.3512	29	UNIT -3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-317	1,484,801.7871	248,698.0429	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-318	1,484,769.0433	249,024.4087	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-319	1,484,371.3037	252,172.1594	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-320	1,485,162.4158	251,145.5673	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-321	1,485,145.4535	251,144.3877	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-322	1,484,909.93	252,117.5915	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-323	1,484,890.8900	252,135.9114	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-324	1,484,701.4881	252,046.0039	29	UNIT -3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-325	1,484,820.5617	251,599.1739	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-326	1,484,659.0532	250,549.1783	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-327	1,484,870.9055	251,135.6406	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-328	1,484,589.5513	251,184.1213	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-329	1,484,375.0921	251,078.4550	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-330	1,484,352.2630	251,077.0485	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-331	1,484,380.8865	251,841.7635	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-332	1,484,407.4085	251,835.5295	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-333	1,504,105.1146	254,976.4133	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-334	1,503,200.0058	255,660.3599	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-335	1,502,675.8207	255,407.8847	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-336	1,502,201.2878	253,420.9186	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-337	1,481,768.3805	248,906.6595	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-338	1,480,775.8563	250,864.3874	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-339	1,481,423.0225	250,592.7395	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-340	1,484,393.6322	252,155.1423	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-342	1,484,731.5276	249,618.3653	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-343	1,484,379.7953	252,167.4028	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-344	1,484,389.9699	251,840.2042	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-345	1,484,919.4979	252,127.7020	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-346	1,504,477.2019	254,500.7181	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-347	1,504,484.7754	254,503.7116	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-348	1,504,381.5085	254,951.3786	34	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-349	1,504,381.5650	254,958.0237	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-350	1,504,073.9538	255,483.6621	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-351	1,504,076.7440	255,489.5253	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-352	1,503,752.8954	255,790.5401	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-353	1,503,762.1228	255,788.7711	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-354	1,503,743.00	255,793.3611	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.	Y	Y
RS-355	1,503,586.6641	255,063.9786	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-356	1,503,072.2982	255,991.2921	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-357	1,502,895.3917	255,100.8419	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-358	1,502,569.3620	255,973.7830	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-359	1,503,552.9496	254,699.3047	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-360	1,501,583.6907	256,597.5310	35	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-361	1,501,868.9946	257,419.1342	35	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-362	1,502,070.4486	256,754.3123	35	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-363	1,479,897.2144	249,365.0168	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-364	1,479921.4961	249,350.4429	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-365	1,479,910.3049	249,358.0264	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-366	1,483,177.7232	248,582.3433	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-367	1,481,685.7222	250,904.6759	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-369	1,483,909.342	251,704.460	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-370	1,483,898.417	251,705.0521	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-374	1,483,941.891	251,040.4509	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-375	1,485,428.636	251,184.127	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-376	1,485,407.186	251,180.931	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-379	1,484,321.440	249,120.7532	35	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-380	1,484,772.0573	249,044.8591	35	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-381	1,482,074.1576	250,644.9211	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-382	1,482,093.8249	250,657.6893	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.	Y	Y
RS-384	1,507,313.8672	255,732.6829	35	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-385	1,508,472.1655	255,542.9513	35	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.	Y	Y
RS-400	1,507,507.26	264,605.97	28	UNIT - 3/ AREA W RSA-58	USACE - MOBILE	Y	Y
RS-401	1,507,750.88	264,298.01	28	UNIT - 3/ AREA W RSA-58	USACE - MOBILE	Y	Y
RS-402	1,507,886.80	264,298.01	28	UNIT - 3/ AREA W RSA-58	USACE - MOBILE	Y	Y
RS-403	1,507,904.32	264,585.85	28	UNIT - 3/ AREA W RSA-58	USACE - MOBILE	Y	Y
RS-404	1,480,291.38	256,757.35	28	RSA-116, TEST AREA 5	USACE - MOBILE	Y	Y
RS-405	1,480,081.69	256,864.24	28	RSA-116, TEST AREA 5	USACE - MOBILE	Y	Y
RS-406	1,480,064.31	256,754.72	28	RSA-116, TEST AREA 5	USACE - MOBILE	Y	Y
RS-407	1,505,837.23	266,065.61	28	RSA-129, THIOKOL BURNING PIT	USACE - MOBILE	Y	Y
RS-408	1,506,042.33	266,129.17	28	RSA-129, THIOKOL BURNING PIT	USACE - MOBILE	Y	Y
RS-409	1,506,111.70	265,839.32	28	RSA-129, THIOKOL BURNING PIT	USACE - MOBILE	Y	Y
RS-410	1,506,015.18	265,889.07	28	RSA-129, THIOKOL BURNING PIT	USACE - MOBILE	Y	Y
RS-411	1,500,028.19	269,215.71	28	RSA-142 (RSA-G) THIOKOL DEGREASER BLDG. 7664	USACE - MOBILE	Y	Y
RS-412	1,500,175.78	269,387.59	28	RSA-142 (RSA-G) THIOKOL DEGREASER BLDG. 7664	USACE - MOBILE	Y	Y
RS-413	1,500,265.30	269,151.61	28	RSA-142 (RSA-G) THIOKOL DEGREASER BLDG. 7664	USACE - MOBILE	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-414	1,500,071.86	269,106.67	28	RSA-142 (RSA-G) THIOKOL DEGREASER BLDG. 7664	USACE - MOBILE	Y	Y
RS-415	1,491,937.54	266,471.33	28	RSA-140 (TARGET SEEKER FACILITY)	USACE - MOBILE	Y	Y
RS-416	1,491,647.68	266,493.55	28	RSA-140 (TARGET SEEKER FACILITY)	USACE - MOBILE	Y	Y
RS-417	1,491,674.38	266,276.13	28	RSA-140 (TARGET SEEKER FACILITY)	USACE - MOBILE	Y	Y
RS-418	1,491,578.72	266,355.28	28	RSA-140 (TARGET SEEKER FACILITY)	USACE - MOBILE	Y	Y
RS-419	1,480,730.41	257,943.80	28	RSA-115	USACE - MOBILE	Y	Y
RS-420	1,499,858.40	269,360.20	28	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-421	1,500,202.80	269,537.00	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-422	1,500,410.40	269,322.20	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-423	1,500,297.50	268,903.10	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-424	1,500,025.90	268,889.00	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-425	1,499,824.00	269,095.90	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-426	1,500,167.10	269,390.10	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-427	1,500,080.30	269,104.6	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-428	1,500,014.20	268,888.90	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
RS-429	1,506,150.10	265,925.00	34	RSA-129	ENGINEERING-SCIENCE	Y	Y
RS-430	1,491,865.80	266,165.10	34	RSA-140	ENGINEERING-SCIENCE	Y	Y
RS-431	1,491,552.40	266,097.20	34	RSA-140	ENGINEERING-SCIENCE	Y	Y
RS-432	1,480,760.20	257,851.50	34	RSA-115	ENGINEERING-SCIENCE	Y	Y

WELL NO.	NORTHING	EASTING	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR	WELL DATA	BORE LOGS
RS-433	1,480,494.10	256,835.20	34	RSA-116	ENGINEERING-SCIENCE	Y	Y
RS-434	1,479,802.70	256,819.70	34	RSA-116	ENGINEERING-SCIENCE	Y	Y
RS-435	1,491,661.10	266,257.20	34	RSA-140	ENGINEERING-SCIENCE	Y	Y
RS-436	1,500,119.50	268,661.10	34	RSA-142	ENGINEERING-SCIENCE	Y	Y
MW-601			38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-602			38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-603			38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-604			38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-605			38b	RSA-130	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-606			38b	RSA-130	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-607			38b	RSA-130	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-608			38b	RSA-130	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-609			38a	RSA-99	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-610			38a	RSA-99	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-611			38a	RSA-99	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-612			38a	RSA-99	EBASCO ENVIRONMENTAL/ ATEC	Y	Y
MW-613			38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC	Y	Y

* Indicates particular reference document from which boring/well construction information was ascertained.

11 Indicates that the original documentation of a particular boring/well was not available and construction/installation information was taken from investigative reports identified by asterisks.

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Appendix E

TABLE NO. 2
LABORATORY ANALYSIS SUMMARY
REDSTONE ARSENAL, ALABAMA
VISTA CONTRACT NO. DAAH03-93-D-0005
(Updated 02/18/94)

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
GW-004	10/87 22	3/88 22	10/88 22	3/89 22					
GW-013	10/87 22	3/88 22	10/88 22	3/89 22					
GW-020	10/87 22	3/88 22	10/88 22	3/89 22					
RS-010	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	6/83 6	9/83 6	11/83 6
RS-010 (CONT)	3/84 6	4/84 6	5/84 6	6/84 6	11/84 6	3/85 10	8/85 10	5/86 10	9/86 10
RS-010 (CONT)	10/86 10	5/87 15	9/87 18	10/87 15	5/88 20	10/88 20	5/89 24	10/89 24	5/90 26
RS-011	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	6/83 6	9/83 6	11/83 6
RS-011 (CONT)	3/84 6	4/84 6	5/84 6	6/84 6	11/84 6	3/85 10	8/85 10	5/86 10	9/86 10
RS-011 (CONT)	5/87 15	9/87 18	10/87 15	5/88 20	10/88 20	5/89 24	10/89 24	5/90 26	11/90 26
RS-011 (CONT)	2/91 30	5/91 31	10/91 31	5/92 33	10/92 33				
RS-015	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	4/83 6	6/83 6	9/83 6
RS-015 (CONT)	11/83 6	3/84 6	3/84 6	5/84 6	6/84 6	11/84 6	3/85 10	8/85 10	5/86 10
RS-015 (CONT)	6/86 10	5/87 15	9/87 18	10/87 15	5/88 20	6/88 18	9/88 20	5/89 24	10/89 24
RS-015 (CONT)	5/90 26	10/90 26	1/91 30	5/91 31	10/92 31	5/92 33	10/92 33		
RS-016	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	4/83 6	6/83 6	7/83 6
RS-016 (CONT)	9/83 6	11/83 6							
RS-020	12/87 17	7/88 21	2/91 30						

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-021	12/87 17	7/88 21	2/91 30						
RS-022	12/87 17	7/88 21	2/91 30						
RS-023	12/87 17	7/88 21							
RS-024	12/87 17	7/88 21	2/91 30						
RS-025									
RS-026									
RS-027									
RS-028	5/88 20								
RS-029	5/88 20								
RS-030									
RS-031	12/87 17	7/88 21	2/91 30						
RS-032	12/87 17	7/88 21	2/91 30						
RS-033	12/87 17	7/88 21	2/91 30						
RS-034	1/88 17	9/88 21	12/90 30	6/92 36					
RS-035	1/88 17	9/88 21	12/90 30	6/92 36					
RS-036	1/88 17	12/90 30	6/92 36						
RS-36A	9/88 21	12/90 30	6/92 36						
RS-037	1/88 17	9/88 21	12/90 30	6/92 36					
RS-038	1/88 17	9/88 21	12/90 30						
RS-039	1/88 17	9/88 21	12/90 30						
RS-040	12/87 17	6/88 17	5/91 30						
RS-041	12/87 17	6/88 21	5/91 30						
RS-042	12/87 17	5/91 30							

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-043	6/83 6	5/84 6	3/85 10	12/87 17	6/88 21	5/91 30			
RS-044	2/88 17								
RS-045	2/88 17								
RS-046	2/88 17								
RS-047									
RS-048	12/87 17	6/88 21							
RS-049	12/87 17	6/88 21							
RS-050	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	4/83 6	6/83 6	11/83 6
RS-050 (CONT)	5/84 6	3/85 10	12/87 17	6/88 21					
RS-051	12/87 17	6/88 21							
RS-052	12/87 17	1/91 30	6/92 36						
RS-053	12/87 17	1/91 30							
RS-054	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	6/83 6	5/84 6	3/85 10
RS-054 (CONT)	12/87 17	6/88 21	1/91 30						
RS-055	12/87 17	6/88 21	1/91 30	6/92 36					
RS-056	10/87 22	3/88 22	10/88 22	3/89 22					
RS-057	10/87 22	3/88 22	10/88 22	3/89 22					
RS-058	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	10/87 22	3/88 22	10/88 22
RS-058 (CONT)	3/89 22								
RS-059	10/87 22	3/88 22	10/88 22	3/89 22					
RS-060	10/87 22	3/88 22	10/88 22	3/89 22					
RS-061	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	1/83 6	2/83 6	6/83 6	5/84 6

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-061 (CONT)	10/87 22	3/88 22	10/88 22	3/89 22					
RS-062	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	4/83 6	6/83 6	7/83 6
RS-062 (CONT)	9/83 6	11/83 6	5/84 6	11/84 6	3/85 10	8/85 10	5/86 10	9/86 10	5/87 15
RS-062 (CONT)	10/87 15	10/87 22	3/88 22	5/88 20	10/88 20	10/88 20	3/89 22	5/89 24	10/89 24
RS-062 (CONT)	5/90 26	10/90 26	5/91 31	10/91 31	5/92 33	10/92 33			
RS-064	12/86 15	1/87 15	3/87 15	5/87 15	10/87 22	3/88 22	10/88 22	3/89 22	
RS-065	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	12/86 15	1/87 15	3/87 15
RS-065 (CONT)	5/87 15	10/87 22	3/88 22	10/88 22	3/89 22				
RS-066	12/86 15	1/87 15	3/87 15	5/87 15	10/87 22	3/88 22	10/88 22	3/89 22	
RS-067	2/88 17								
RS-068	11/81 6	2/82 6	5/82 6	9/82 6	11/82 6	2/83 6	10/87 22	3/88 22	10/88 22
RS-068 (CONT)	3/89 22								
RS-069	12/86 15	1/87 15	3/87 15	5/87 15	10/87 22	3/88 22	10/88 22	3/89 22	
RS-070	10/87 22	3/88 22	10/88 22	3/89 22					
RS-071	10/87 22	3/88 22	10/88 22	3/89 22					
RS-072	1/88 17	6/88 21							
RS-073	1/88 17	6/88 21							
RS-074	1/88 17	6/88 21							
RS-075	1/88 17	6/88 21							
RS-076	1/88 17	6/88 21							
RS-077	9/82 6	3/83 6	9/83 6	3/84 6	3/85 10	8/85 10	3/86 10	9/86 10	3/87 15

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-077 (CONT)	9/87 15	9/87 18	3/89 24	9/89 24	3/88 20	9/88 20	11/88 20	3/90 26	9/90 26
RS-077 (CONT)	2/91 30	3/91 31	9/91 31	3/92 33	9/92 33				
RS-078	9/82 6	3/83 6	9/83 6	3/84 6	3/85 10	8/85 10	3/86 10	9/86 10	3/87 15
RS-078 (CONT)	5/87 15	9/87 18	3/88 20	6/88 18	9/88 20	3/89 24	9/89 24	3/90 26	9/90 26
RS-078 (CONT)	1/91 30	3/91 31	9/91 31	3/92 33	9/92 33				
RS-079	9/82 6	3/83 6	9/83 6	3/84 6	3/85 10	8/85 10	3/86 10	9/86 10	3/87 15
RS-079 (CONT)	9/87 15	9/87 18	3/88 15	6/88 18	9/88 20	3/89 24	9/89 24	3/90 26	9/90 26
RS-079 (CONT)	1/91 30	3/91 31	9/91 31	3/92 33	9/92 33				
RS-080	9/82 6	3/83 6	9/83 6	3/84 6	3/85 10	8/85 10	3/86 10	9/86 10	3/87 15
RS-080 (CONT)	9/87 15	9/87 18	3/88 15	6/88 18	9/88 20	3/89 24	9/89 24	3/90 26	9/90 26
RS-080 (CONT)	1/91 30	3/91 31	9/91 31	3/92 33	9/92 33				
RS-081	3/84 6	4/84 6	6/84 6	12/84 6	3/85 10	8/85 10	5/87 15	10/89 24	5/90 26
RS-081 (CONT)	2/91 30	5/91 31	5/92 33						
RS-082A	3/84 6	4/84 6	6/84 6	9/84 6	12/84 6	3/85 10	8/85 10	5/86 10	9/86 10
RS-082A (CONT)	5/87 15	9/87 18	5/88 20	10/88 20	5/89 24	10/89 24	5/90 26	10/90 26	5/91 31
RS-082A (CONT)	9/91 31	5/92 33							
RS-083	3/84 6	4/84 6	6/84 6	9/84 6	12/84 6	3/85 10	8/85 10	5/86 10	9/86 10
RS-083 (CONT)	5/87 15	5/88 20	10/88 20	5/89 24	10/89 24	5/90 26	5/91 31	9/91 31	5/92 33
RS-083 (CONT)	9/92 33								
RS-083A	2/91 30								
RS-084	3/84 6	4/84 6	6/84 6	9/84 6	12/84 6	3/85 10	8/85 10	5/86 10	9/86 10

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-084 (CONT)	5/87 15	9/87 18	10/87 15	5/88 20	10/88 10	5/89 24	10/89 24	10/90 26	1/91 30
RS-084 (CONT)	3/91 31	5/92 33	10/92 33						
RS-085	6/84 6	9/84 6	12/84 6	3/85 10	3/86 10	9/86 10	3/87 15	9/87 15	9/87 18
RS-085 (CONT)	3/88 15	6/88 18	9/88 20	3/89 24	9/89 24	3/90 26	9/90 26	1/91 30	3/91 31
RS-085 (CONT)	9/91 31	3/92 33	9/92 33						
RS-086	9/87 18	1/91 30							
RS-087	9/87 18	1/91 30							
RS-088	9/87 18	6/88 18	1/91 30						
RS-089	9/87 18	6/88 18	2/91 30						
RS-090	9/87 18	6/88 18	2/91 30						
RS-091	9/87 18	6/88 18	2/91 30						
RS-092	9/87 18	6/88 18	2/91 30						
RS-093	9/87 18	6/88 18	1/91 30						
RS-094	9/87 18	6/88 18	1/91 30						
RS-095	9/87 18	2/91 30							
RS-096	10/87 18	6/88 18	1/91 30						
RS-097	10/87 18	6/88 18	1/91 30						
RS-098	10/87 18	6/88 18	1/91 30						
RS-099	10/87 18	6/88 18	1/91 30						
RS-100	10/87 18	6/88 18	1/91 30						
RS-101	10/87 18	6/88 18	1/91 30						

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-102	10/87 18	6/88 18	1/91 30						
RS-103	10/87 18	6/88 18	1/91 30						
RS-104	10/87 18	6/88 18	1/91 30						
RS-105	10/87 18	6/88 18	1/91 30						
RS-106	10/87 18	6/88 18	1/91 30						
RS-107	10/87 18	6/88 18	1/91 30						
RS-108	10/87 18	6/88 18	1/91 30						
RS-109	10/87 18	6/88 18	1/91 30						
RS-110	10/87 18	6/88 18	1/91 30						
RS-111	2/88 17	2/91 30							
RS-112	2/88 17	2/91 30							
RS-113	2/88 17	2/91 30							
RS-114	2/88 17	2/91 30							
RS-115	2/88 17								
RS-116	2/88 17								
RS-117	2/88 17								
RS-118	2/88 17								
RS-119	2/88 17								
RS-120	2/88 17								
RS-121	2/88 17								
RS-122	2/88 17								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-123	2/88 17								
RS-124	2/88 17								
RS-125	2/88 17								
RS-126	2/88 17								
RS-127	2/88 17								
RS-128	2/88 17	6/88 21							
RS-129	2/88 17	6/88 21							
RS-130	2/88 17	6/88 21							
RS-131	2/88 17	6/88 21							
RS-132	2/88 17	6/88 21							
RS-133	2/88 17	6/88 21							
RS-134	3/88 17								
RS-135	3/88 17								
RS-136	3/88 17								
RS-137	3/88 17								
RS-138	12/87 17	7/88 21	2/91 30	5/91 30					
RS-139	12/87 17	7/88 21	2/91 30						
RS-140	2/88 17								
RS-141	2/88 17								
RS-142	2/88 17	5/91 30							
RS-143	2/88 17	5/91 30							

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-144	2/88 17	5/91 30							
RS-145	2/88 17								
RS-146	2/88 17								
RS-147	2/88 17								
RS-148	2/88 17	6/88 21	5/91 30						
RS-149	2/88 17	6/88 21	5/91 30						
RS-150	2/88 17	6/88 21	5/91 30						
RS-151	2/88 17	6/88 21	5/91 30						
RS-152	1/88 17	5/91 30							
RS-153	1/88 17	5/91 30							
RS-154	1/88 17	1/91 30							
RS-155	1/88 17	1/91 30							
RS-156	2/88 17								
RS-157	2/88 17								
RS-158	2/88 17								
RS-159	2/88 17								
RS-160	2/88 17								
RS-161	2/88 17								
RS-162	2/88 17								
RS-163	2/88 17								
RS-164	2/88 17								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-165	1/88 17	9/88 21	12/90 30						
RS-166	1/88 17	9/88 21	12/90 30						
RS-167	1/88 17	6/88 21							
RS-168	1/88 17	6/88 21							
RS-169	6/88 18	1/91 30							
RS-170	6/88 18	1/91 30							
RS-171	6/88 18	1/91 30							
RS-172	6/88 18	1/91 30							
RS-173	6/88 18	1/91 30							
RS-174	6/88 18	1/91 30							
RS-175	6/88 18	1/91 30							
RS-176	6/88 18	1/91 30							
RS-177	6/88 18	2/91 30							
RS-178	6/88 18	1/91 30							
RS-179	6/88 18	2/91 30							
RS-180	6/88 18	1/91 30							
RS-181	6/88 18	1/91 30							
RS-182	1/91 30								
RS-183	6/88 18	1/91 30							
RS-184	6/88 18	1/91 30							
RS-185	6/88 18	1/91 30							

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-186	6/88 18	1/91 30							
RS-187	6/88 18	1/91 30							
RS-188	6/88 18	1/91 30							
RS-189	6/88 18	1/91 30							
RS-190	6/88 18	1/91 30							
RS-191	7/88 21	2/91 30							
RS-192	7/88 21	2/91 30	5/91 30						
RS-193	7/88 21	2/91 30							
RS-194	7/88 21	2/91 30	2/91 30						
RS-195	7/88 21	2/91 30							
RS-196	7/88 21	2/91 30							
RS-197	7/88 21	2/91 30							
RS-198	7/88 21	2/91 30							
RS-199	7/88 21	2/91 30							
RS-200	9/88 21	12/90 30							
RS-201	9/88 21	12/90 30							
RS-202	9/88 21	12/90 30							
RS-203	9/88 21	12/90 30							
RS-204	6/88 21	5/91 30							
RS-205	6/88 21	5/91 30							
RS-206	6/88 21	5/91 30	6/92 36						

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-207	6/88 21	5/91 30							
RS-208	6/88 21	5/91 30							
RS-209	1/91 30								
RS-210	1/91 30								
RS-211	1/91 30								
RS-212	1/91 30								
RS-213	1/91 30								
RS-214	1/91 30								
RS-215	1/91 30								
RS-216	1/91 30								
RS-217	11/88 21								
RS-218	11/88 21								
RS-219	11/88 21								
RS-220	10/88 21	2/91 30							
RS-221	10/88 21	2/91 30							
RS-222	10/88 21	2/91 30							
RS-223	10/88 21	12/90 30							
RS-224	11/88 21	5/91 30							
RS-225	11/88 21	5/91 30							
RS-226	11/88 21	5/91 30							
RS-228	1/91 30								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-229	1/91 30								
RS-230	1/91 30								
RS-231	1/91 30								
RS-232	1/91 30								
RS-233	1/91 30								
RS-234	5/91 30								
RS-235	1/91 30								
RS-236	1/91 30								
RS-237	1/91 30								
RS-238	1/91 30								
RS-239	1/91 30								
RS-240	1/91 30								
RS-241	1/91 30								
RS-242	1/91 30								
RS-243	1/91 30								
RS-244	1/91 30								
RS-245	5/91 30								
RS-246	7/92 36								
RS-247	1/91 30								
RS-248	1/91 30								
RS-249	1/91 30								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-250	1/91 30								
RS-251	1/91 30								
RS-252	1/91 30								
RS-253	1/91 30								
RS-254	1/91 30								
RS-256	1/91 30	7/92 36							
RS-257	1/91 30								
RS-258	6/92 36								
RS-259	1/91 30	7/92 36							
RS-260	1/91 30	6/92 36							
RS-261	1/91 30	6/92 36							
RS-262	1/91 30								
RS-263	1/91 30	6/92 36							
RS-264	2/91 30								
RS-265	2/91 30								
RS-266	2/91 30								
RS-267	2/91 30								
RS-268	2/91 30								
RS-270	2/91 30								
RS-271	2/91 30								
RS-272	2/91 30								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-273	2/91 30								
RS-274	2/91 30								
RS-275	2/91 30								
RS-277	2/91 30								
RS-279	2/91 30	5/91 30							
RS-280	2/91 30								
RS-281	2/91 30								
RS-282	2/91 30	5/91 30							
RS-283	2/91 30	5/91 30							
RS-284	2/91 30								
RS-285	2/91 30								
RS-286	2/91 30								
RS-287	2/91 30								
RS-288	2/91 30								
RS-289	2/91 30								
RS-290	2/91 30								
RS-291	2/91 30								
RS-292	2/91 30								
RS-293	2/91 30								
RS-294	2/91 30								
RS-295	2/91 30								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-297	12/90 30								
RS-298	12/90 30								
RS-299	12/90 30								
RS-300	12/90 30								
RS-301	12/90 30								
RS-302	12/90 30								
RS-303	12/90 30	6/92 36							
RS-304	6/92 36								
RS-305	12/90 30	6/92 36							
RS-306	12/90 30	6/92 36							
RS-307	6/92 36								
RS-308	12/90 30	6/92 36							
RS-309	12/90 30								
RS-310	12/90 30	6/92 36							
RS-311	2/91 30								
RS-312	12/90 30								
RS-313	12/90 30								
RS-314	5/91 30								
RS-315	5/91 30								
RS-316	5/91 30								
RS-317	5/91 30								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-318	5/91 30								
RS-319	5/91 30								
RS-320	5/91 30								
RS-321	5/91 30								
RS-322	5/91 30								
RS-323	5/91 30								
RS-324									
RS-325	5/91 30								
RS-326	5/91 30								
RS-327	5/91 30								
RS-328	5/91 30								
RS-329	5/91 30	6/92 36							
RS-330	5/91 30								
RS-331	5/91 30								
RS-332	5/91 30								
RS-333	2/91 30								
RS-334	2/91 30	5/91 30							
RS-335	2/91 30								
RS-336	1/91 30								
RS-337	1/91 30								
RS-338	1/91 30								
RS-339	5/91 30								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-340	5/91 30								
RS-342	5/92 30								
RS-343	5/91 30								
RS-344	5/91 30	6/92 36							
RS-345	5/91 30								
RS-346	7/92 36								
RS-347									
RS-348	7/92 36								
RS-349	6/92 36								
RS-350	6/92 36								
RS-351	6/92 36								
RS-352									
RS-353	6/92 36								
RS-354	6/92 36								
RS-355	6/92 36								
RS-356	6/92 36								
RS-357									
RS-358									
RS-359	6/92 36								
RS-360									
RS-361									
RS-362									
RS-363	6/92 36								
RS-364	6/92 36								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
RS-365	6/92 36								
RS-366	6/92 36								
RS-367	6/92 36								
RS-369	7/92 36								
RS-370	6/92 36								
RS-374									
RS-375	6/92 36								
RS-376	6/92 36								
RS-379	7/92 36								
RS-380									
RS-381	6/92 36								
RS-382	6/92 36								
RS-384	6/92 36								
RS-385	7/92 36								
RS-400									
RS-401									
RS-402									
RS-403									
RS-404									
RS-405									
RS-406									
RS-407									
RS-408									
RS-409									
RS-410									
RS-411									
RS-412									

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REE NO.								
RS-413									
RS-414									
RS-415									
RS-416									
RS-417									
RS-418									
RS-419									
RS-420									
RS-421									
RS-422									
RS-423									
RS-424									
RS-425									
RS-426									
RS-427									
RS-428									
RS-429									
RS-430									
RS-431									
RS-432									
RS-433									
RS-434									
RS-435									
RS-436									
MW-601	8/93 38								
MW-602	8/93 38								
MW-603	8/93 38								
MW-604	8/93 38								
MW-605	8/93 38b								
MW-606	8/93 38b								

WELL NO.	LABORATORY SAMPLING EVENTS DATE/REF NO.								
MW-607	8/93 38b								
MW-608	8/93 38b								
MW-609	8/93 38a								
MW-610	8/93 38a								
MW-611	8/93 38a								
MW-612	8/93 38a								
MW-613	8/93 38								

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Appendix F

TABLE NO. 3
GROUND-WATER WELL SUMMARY
WITH ELEVATION FIELD
REDSTONE ARSENAL, ALABAMA
VISTA CONTRACT NO. DAAH03-93-D-0005
(Updated 02/18/94)

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
GW-004						
GW-013						
GW-020						
RS-007	1,505,257.40	258,473.09	570.13	*2* ???	(RSA-59) UNIT - 3/ AREA Q5	TESTING, INC.
RS-008	1,505,260.37	258,964.98	568.10	*2* ???	(RSA-59) UNIT - 3/ AREA Q5	TESTING, INC.
RS-009	1,504,898.30	258,738.98	566.89	*2* ???	(RSA-59) UNIT - 3/ AREA Q5	TESTING, INC.
RS-011	1,503,787.21	253,339.46	578.42	*18*	~~UNIT - 3/ AREA Q5~~ UNIT 1 (RSA 107)	TESTING, INC.
RS-015	1,504,272.93	253,443.47	606.27	*18*	UNIT - 1 (RSA-107)	TESTING, INC.
RS-020	1,501,814.85	257,406.35	566.51	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-021	1,502,047.98	257,173.16	574.16	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-022	1,501,599.39	256,579.46	567.08	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-023	1,501,222.08	256,679.56	563.37	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-025	1,503,519.11	257,331.84	570.78	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-026	1,503,512.22	257,035.45	573.78	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-027	1,503,935.91	257,376.86	572.40	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-028	1,504,184.37	257,686.88	576.95	*18*	UNIT - 3/ AREA Q4	TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-029	1,504,658.30	257,844.95	579.10	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-030	1,504,750.07	257,065.44	584.21	*18*	UNIT - 3/ AREA Q4	TESTING, INC.
RS-031	1,504,109.40	254,993.56	609.01	*18*	UNIT - 3/ AREA Q3	TESTING, INC.
RS-032	1,503,920.95	254,723.03	604.94	*18*	UNIT - 3/ AREA Q3	TESTING, INC.
RS-033	1,503,600.98	255,043.52	609.52	*18*	UNIT - 3/ AREA Q3	TESTING, INC.
RS-034	1,508,747.33	256,110.97	606.60	*18*	UNIT - 3/ AREA T	TESTING, INC.
RS-035	1,508,330.29	256,662.00	619.98	*18*	UNIT - 3/ AREA T	TESTING, INC.
RS-036	1,508,261.90	256,129.86		*18*	UNIT - 3/ AREA T	TESTING, INC.
RS-36A	1,508,320.00	255,923.00	614.94	21	UNIT - 3/ AREA T	TESTING, INC.
RS-037	1,507,843.77	256,017.51	627.84	*18*	UNIT - 3/ AREA S	TESTING, INC.
RS-038	1,507,761.66	256,942.11	625.68	*18*	UNIT - 3/ AREA S	TESTING, INC.
RS-039	1,507,146.07	256,752.61	634.77	*18*	UNIT - 3/ AREA S	TESTING, INC.
RS-040	1,485,108.12	251,570.29	565.50	*18*	UNIT - 3/ AREA Z	TESTING, INC.
RS-041	1,484,589.92	251,952.82	568.28	*18*	UNIT - 3/ AREA Z	TESTING, INC.
RS-042	1,484,999.30	251,138.26	566.85	*18*	UNIT - 3/ AREA Z	TESTING, INC.
RS-043	1,484,750.52	251,122.17	567.76	*18*	UNIT - 3/ AREA Z	TESTING, INC./ MILLER DRILLING CO.
RS-044	1,500,308.82	251,672.06	629.83	*18*	UNIT - 3/ AREA P/O	TESTING, INC.
RS-045	1,499,438.73	250,355.23	572.14	*18*	UNIT - 3/ AREA O	TESTING, INC.
RS-046	1,499,296.29	252,860.04	573.42	*18*	UNIT - 3/ AREA O	TESTING, INC.
RS-047	1,499,686.85	251,296.59	615.80	*18*	UNIT- 3/ AREA O	TESTING, INC.
RS-048	1,508,312.46	259,032.44	608.89	*18*	UNIT - 3/ AREA U	TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-049	1,507,905.92	259,976.65	583.42	*18*	UNIT - 3/ AREA U	TESTING, INC.
RS-050	1,507,366.35	258,937.31	588.24	*18*	UNIT - 3/ AREA U	TESTING, INC.
RS-051	1,507,322.93	259,216.59	582.09	*18*	UNIT - 3/ AREA U	TESTING, INC./ MILLER DRILLING CO.
RS-052	1,512,898.80	252,474.19	616.63	*18*	UNIT - 3/ AREA F	TESTING, INC.
RS-053	1,512,371.06	252,547.12	610.89	*18*	UNIT - 3/ AREA F	TESTING, INC.
RS-054	1,512,230.41	252,196.48	613.56	*18*	UNIT - 3/ AREA F	TESTING, INC.
RS-055	1,512,367.23	252,509.04	611.85	*18*	UNIT - 3/ AREA F	TESTING, INC./ MILLER DRILLING CO.
RS-056	1,494,528.39	234,245.90	579.50	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-057	1,503,367.82	235,375.33	592.12	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-058	1,509,010.27	236,266.44	589.99	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-059	1,515,974.78	236,955.25	585.37	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-060	1,520,296.71	240,314.91	600.17	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-061	1,526,133.72	237,333.11	668.17	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-062	1,530,263.03	245,376.04	658.63	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-064	1,532,006.01	260,535.87	649.07	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-065	1,522,701.25	266,019.24	597.98	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-066	1,517,289.51	266,297.34	583.98	*11*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.

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WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-067	1,499,406.50	251,484.52	608.89	*18*	UNIT - 3/ AREA O	TESTING, INC./ MILLER DRILLING CO.
RS-068	1,504,297.74	268,680.25	568.52	*18*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-069	1,498,965.93	273,288.04	566.01	*18*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-070	1,491,062.59	273,239.51	571.12	*18*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-071	1,490,618.47	266,510.49	577.18	*18*	UNIT - 4	TESTING, INC./ MILLER DRILLING CO.
RS-072	1,507,604.03	264,356.28	565.42	*18*	UNIT - 3/ AREA W	TESTING, INC.
RS-073	1,507,153.07	264,451.87	562.91	*18*	UNIT - 3/ AREA W	TESTING, INC.
RS-074	1,506,708.89	264,640.36	563.23	*18*	UNIT - 3/ AREA W	TESTING, INC.
RS-075	1,507,327.85	264,824.08	563.92	*18*	UNIT - 3/ AREA W	TESTING, INC.
RS-076	1,506,706.64	265,045.26	563.97	*18*	UNIT - 3/ AREA W	TESTING, INC.
RS-077	1,503,788.21	254,277.74	597.44	*18*	UNIT - 1	TESTING, INC.
RS-078	1,502,409.01	253,530.84	594.97	*18*	UNIT - 1	TESTING, INC.
RS-079	1,502,310.49	254,183.42	605.63	*18*	UNIT - 1	TESTING, INC.
RS-080	1,502,333.12	254,951.48	567.29	*18*	UNIT - 1	TESTING, INC.
RS-081	1,504,571.00	253,079.60	608.46	*18*	UNIT - 1	TESTING, INC.
RS-082	1,503,952.10	253,114.60	633.30	*18*	UNIT - 1	TESTING, INC.
RS-083	1,503,953.30	253,304.40	623.70	*18*	UNIT - 1	TESTING, INC.
RS-084	1,504,036.50	253,361.80	619.79	*18*	UNIT - 1	TESTING, INC.
RS-085	1,504,021.53	253,642.99	608.20	*18*	UNIT - 1	TESTING, INC.
RS-086	1,504,576.00	253,996.00	583.09	18	UNIT - 1	PELA/ TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-087	1,503,272.00	254,582.00	602.88	18	UNIT - 1	PELA/ TESTING, INC.
RS-088	1,502,035.00	254,728.00	558.92	18	UNIT - 1	PELA/ TESTING, INC.
RS-089	1,502,380.00	255,352.00	559.35	18	UNIT - 1	PELA/ TESTING, INC.
RS-090	1,502,968.00	253,185.00	607.09	18	UNIT - 1	PELA/ TESTING, INC.
RS-091	1,502,335.00	253,034.00	621.14	18	UNIT - 1	PELA/ TESTING, INC.
RS-092	1,502,973.00	253,190.00	607.11	18	UNIT - 1	PELA/ TESTING, INC.
RS-093	1,502,320.00	254,189.00	605.96	18	UNIT - 1	PELA/ TESTING, INC.
RS-094	1,502,336.00	254,944.00	567.64	18	UNIT - 1	PELA/ TESTING, INC.
RS-095	1,503,800.00	253,333.00	622.85	18	UNIT - 1	PELA/ TESTING, INC.
RS-096	1,480,582.00	249,855.00	573.49	18	UNIT - 2	PELA/ TESTING, INC.
RS-097	1,481,031.00	250,150.00	566.47	18	UNIT - 2	PELA/ TESTING, INC.
RS-098	1,481,252.00	249,948.00	566.68	18	UNIT - 2	PELA/ TESTING, INC.
RS-099	1,480,069.00	249,308.00	569.21	18	UNIT - 2	PELA/ TESTING, INC.
RS-100	1,481,163.00	249,241.00	573.17	18	UNIT - 2	PELA/ TESTING, INC.
RS-101	1,480,943.00	249,546.00	578.41	18	UNIT - 2	PELA/ TESTING, INC.
RS-102	1,481,161.00	249,235.00	573.11	18	UNIT - 2	PELA/ TESTING, INC.
RS-103	1,480,606.00	249,298.00	568.81	18	UNIT - 2	PELA/ TESTING, INC.
RS-104	1,481,019.00	250,150.00.	566.70	18	UNIT - 2	PELA/ TESTING, INC.
RS-105	1,480,578.00	249,846.00	571.83	18	UNIT - 2	PELA/ TESTING, INC.
RS-106	1,481,244.00	249,948.00	566.63	18	UNIT - 2	PELA/ TESTING, INC.
RS-107	1,482,094.00	249,426.00	569.29	18	UNIT - 2	PELA/ TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-108	1,482,522.00	249,156.00	563.71	18	UNIT - 2	PELA/ TESTING, INC.
RS-109	1,482,423.00	248,280.00	563.97	18	UNIT - 2	PELA/ TESTING, INC.
RS-110	1,482,137.00	248,284.00	565.01	18	UNIT - 2	PELA/ TESTING, INC.
RS-111	1,516,645.00	263,634.00	582.85	17	UNIT - 3/ AREA G	PELA/ TESTING, INC.
RS-112	1,516,737.00	264,105.00	569.95	17	UNIT - 3/ AREA G	PELA/ TESTING, INC.
RS-113	1,516,834.00	263,994.00	573.86	17	UNIT - 3/ AREA G	PELA/ TESTING, INC.
RS-114	1,516,895.00	263,923.00	573.82	17	UNIT - 3/ AREA G	PELA/ TESTING, INC.
RS-115	1,504,828.00	238,687.00	566.70	17	UNIT - 3 RSA-50	PELA/ TESTING, INC.
RS-116	1,504,339.00	238,153.00	564.68	17	UNIT - 3 RSA-50	PELA/ TESTING, INC.
RS-117	1,505,455.00	238,711.00	566.64	17	UNIT - 3 RSA-50	PELA/ TESTING, INC.
RS-118	1,505,159.00	238,268.00	563.51	17	UNIT - 3 RSA-50	PELA/ TESTING, INC.
RS-119	1,501,966.00	238,437.00	568.72	17	UNIT - 3 RSA-51	PELA/ TESTING, INC.
RS-120	1,500,927.00	238,133.00	572.40	17	UNIT - 3 RSA-51	PELA/ TESTING, INC.
RS-121	1,501,116.00	238,978.00	564.56	17	UNIT - 3 RSA-51	PELA/ TESTING, INC.
RS-122	1,500,862.00	237,612.00	573.11	17	UNIT - 3 RSA-51	PELA/ TESTING, INC.
RS-123	1,498,633.00	246,022.00	565.57	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.
RS-124	1,498,931.00	246,022.00	564.23	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.
RS-125	1,498,908.00	245,658.00	565.33	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.
RS-126	1,498,786.00	245,484.00	566.06	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.
RS-127	1,498,390.00	245,510.00	564.92	17	UNIT - 3/ AREA M	PELA/ TESTING, INC.
RS-128	1,501,792.00	247,594.00	573.14	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-129	1,501,608.00	246,596.00	573.35	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.
RS-130	1,502,038.00	246,176.00	565.59	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.
RS-131	1,502,421.00	245,889.00	561.14	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.
RS-132	1,502,616.00	246,514.00	564.19	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.
RS-133	1,502,616.00	246,614.00	571.55	17	UNIT - 3/ AREA N	PELA/ TESTING, INC.
RS-134	1,500,656.00	252,407.00	618.67	17	UNIT - 3/ AREA P	PELA/ TESTING, INC.
RS-135	1,500,279.00	252,364.00	615.90	17	UNIT - 3/ AREA P	PELA/ TESTING, INC.
RS-136	1,500,893.00	251,105.00	617.67	17	UNIT - 3/ AREA P	PELA/ TESTING, INC.
RS-137	1,500,011.00	252,501.00	598.92	17	UNIT - 3/ AREA P	PELA/ TESTING, INC.
RS-138	1,502,686.00	255,766.00	568.70	17	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.
RS-139	1,502,670.00	255,394.00	580.83	17	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.
RS-140	1,508,275.00	260,621.00	576.79	17	UNIT - 3/ AREA V	PELA/ TESTING, INC.
RS-141	1,506,978.00	260,477.00	577.98	17	UNIT - 3/ AREA V	PELA/ TESTING, INC.
RS-142	1,484,656.00	250,530.00	565.40	17	UNIT - 3/ AREA Z	PELA/ TESTING, INC.
RS-143	1,484,482.00	249,922.00	564.44	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.
RS-144	1,485,640.00	248,354.00	565.05	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.
RS-145	11,486,501.00	248,294.00	566.96	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.
RS-146	1,486,512.00	249,175.00	566.02	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.
RS-147	1,487,602.00	249,247.00	565.01	17	UNIT - 3/ AREA X	PELA/ TESTING, INC.
RS-148	1,484,819.00	249,135.00	566.82	17	UNIT - 3/ AREA X1	PELA/ TESTING, INC.
RS-149	1,484,429.00	249,168.00	565.53	17	UNIT - 3/ AREA X1	PELA/ TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-150	1,484,483.00	248,416.00	567.04	17	UNIT - 3/ AREA X1	PELA/ TESTING, INC.
RS-151	1,484,924.00	248,357.00	564.79	17	UNIT - 3/ AREA X1	PELA/ TESTING, INC.
RS-152	1,483,954.00	251,041.00	568.15	17	UNIT - 3/ AREA Z	PELA/ TESTING, INC.
RS-153	1,482,734.00	250,938.00	568.08	17	UNIT - 3/ AREA Y	PELA/ TESTING, INC.
RS-154	1,481,700.00	250,899.00	562.53	17	UNIT - 3/ AREA Y	PELA/ TESTING, INC.
RS-155	1,480,784.00	250,859.00	567.11	17	UNIT - 2 ????	PELA/ TESTING, INC.
RS-156	1,487,355.00	251,599.00	573.69	17	UNIT - 3/ AREA AA	PELA/ TESTING, INC.
RS-157	1,486,111.00	252,384.00	565.43	17	UNIT - 3/ AREA AA	PELA/ TESTING, INC.
RS-158	1,486,990.00	252,472.00	566.43	17	UNIT - 3/ AREA AA	PELA/ TESTING, INC.
RS-159	1,491,904.00	262,224.00	585.48	17	UNIT - 3 RSA 6d	PELA/ TESTING, INC.
RS-160	1,491,845.00	262,299.00	584.70	17	UNIT - 3 RSA 6d	PELA/ TESTING, INC.
RS-161	1,491,764.00	262,329.00	583.85	17	UNIT - 3 RSA-6E	PELA/ TESTING, INC.
RS-162	1,492,636.00	263,958.00	581.26	17	UNIT - 3 RSA-46	PELA/ TESTING, INC.
RS-163	1,492,174.00	264,399.00	588.50	17	UNIT - 3 RSA-46	PELA/ TESTING, INC.
RS-164	1,491,645.00	263,557.00	580.57	17	UNIT - 3 RSA 46	PELA/ TESTING, INC.
RS-165	1,508,886.00	256,925.00	609.28	17	UNIT - 3/ AREA S & T	PELA/ TESTING, INC.
RS-166	1,507,171.00	255,908.00	615.61	17	UNIT - 3/ AREA S & T	PELA/ TESTING, INC.
RS-167	1,507,704.00	265,260.00	563.20	17	UNIT - 3/ AREA W	PELA/ TESTING, INC.
RS-168	1,507,076.00	265,253.00	563.57	17	UNIT - 3/ AREA W	PELA/ TESTING, INC.
RS-169	1,502,040.00	254,738.00	559.19	18	UNIT - 1	PELA/ TESTING, INC.
RS-170	1,502,180.00	253,727.00	595.99	18	UNIT - 1	PELA/ TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-171	1,502,179.00	253,724.00	595.90	18	UNIT - 1	PELA/ TESTING, INC.
RS-172	1,502,418.00	253,524.00	594.56	18	UNIT - 1	PELA/ TESTING, INC.
RS-173	1,502,776.00	254,339.00	614.06	18	UNIT - 1	PELA/ TESTING, INC.
RS-174	1,502,783.00	254,346.00	614.06	18	UNIT - 1	PELA/ TESTING, INC.
RS-175	1,504,303.00	253,786.00	589.34	18	UNIT - 1	PELA/ TESTING, INC.
RS-176	1,504,304.00	253,792.00	588.94	18	UNIT - 1	PELA/ TESTING, INC.
RS-177	1,503,681.00	253,664.00	608.94	18	UNIT - 1	PELA/ TESTING, INC.
RS-178	1,503,677.00	253,670.00	608.78	18	UNIT - 1	PELA/ TESTING, INC.
RS-179	1,502,379.00	255,359.00	559.27	18	UNIT - 1	PELA/ TESTING, INC.
RS-180	1,480,944.00	249,541.00	578.81	18	UNIT - 2	PELA/ TESTING, INC.
RS-181	1,480,644.00	250,255.00	568.86	18	UNIT - 2	PELA/ TESTING, INC.
RS-183	1,481,439.00	250,593.00	562.57	18	UNIT - 2	PELA/ TESTING, INC.
RS-184	1,481,436.00	250,587.00	562.49	18	UNIT - 2	PELA/ TESTING, INC.
RS-185	1,481,704.00	249,948.00	561.28	18	UNIT - 2	PELA/ TESTING, INC.
RS-186	1,481,705.00	249,955.00	561.44	18	UNIT - 2	PELA/ TESTING, INC.
RS-187	1,482,522.00	249,147.00	564.39	18	UNIT - 2	PELA/ TESTING, INC.
RS-188	1,482,423.00	248,286.00	563.98	18	UNIT - 2	PELA/ TESTING, INC.
RS-189	1,482,249.00	247,998.00	561.43	18	UNIT - 2	PELA/ TESTING, INC.
RS-190	1,482,257.00	247,996.00	561.46	18	UNIT - 2	PELA/ TESTING, INC.
RS-191	1,503,920.00	254,714.00	604.65	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.
RS-192	1,503,196.00	255,648.00	600.29	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-193	1,502,926.00	255,141.00	595.35	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.
RS-194	1,502,911.00	255,137.00	594.55	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.
RS-195	1,502,422.00	255,962.00	557.98	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.
RS-196	1,502,576.00	255,962.00	563.33	21	UNIT - 3/ AREA Q3	PEAL/ TESTING, INC.
RS-197	1,502,361.00	256,287.00	574.58	21	UNIT - 3/ AREA Q3	PELA/ TESTING, INC.
RS-198	1,501,589.00	256,580.00	567.14	21	UNIT - 3/ AREA Q4	PELA/ TESTING, INC.
RS-199	1,501,589.00	257,132.00	568.93	21	UNIT - 3/ AREA Q4	PELA/ TESTING, INC.
RS-200	1,509,223.00	256,597.00	604.26	21	UNIT - 3/ AREA T	PELA/ TESTING, INC.
RS-201	1,507,750.00	255,762.00	611.82	21	UNIT - 3/ AREA S & T	PELA/ TESTING, INC.
RS-202	1,509,212.00	256,595.00	604.05	21	UNIT - 3/ AREA T	PELA/ TESTING, INC.
RS-203	1,509,215.00	256,601.00	604.23	21	UNIT - 3/ AREA T	PELA/ TESTING, INC.
RS-204	1,484,630.00	248,990.00	568.43	21	UNIT - 3/ AREA X1	PELA/ TESTING, INC.
RS-205	1,484,645.00	249,323.00	564.74	21	UNIT - 3/ AREA X1	PELA/ TESTING, INC.
RS-206	1,484,578.00	251,164.00	567.42	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.
RS-207	1,484,556.00	251,459.00	566.74	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.
RS-208	1,484,779.00	252,018.00	567.25	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.
RS-209			567.42			
RS-210			567.52		UNIT - 2	
RS-211			563.01		UNIT - 2	
RS-212			563.04		UNIT - 2	
RS-213			566.40		UNIT - 2	

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-214			566.62		UNIT - 2	
RS-215			563.90		UNIT - 2	
RS-216			563.87		UNIT - 2	
RS-217	1,502,893.00	247,064.00	575.81	21	UNIT - 3/ AREA N	PELA/ TESTING, INC.
RS-218	1,502,589.00	247,683.00	581.49	21	UNIT - 3/ AREA N	PELA/ TESTING, INC.
RS-219	1,502,408.00	248,157.00	592.75	21	UNIT - 3/ AREA N	PELA/ TESTING, INC.
RS-220	1,505,485.00	258,170.00	578.99	21	UNIT - 3/ AREA Q5 (AREA R???)	PELA/ TESTING, INC.
RS-221	1,504,723.00	258,277.00	579.13	21	UNIT - 3/ AREA Q5 (AREA R???)	PELA/ TESTING, INC.
RS-222	1,504,419.00	258,802.00	569.72	21	UNIT - 3/ AREA Q5 (AREA R???)	PELA/ TESTING, INC.
RS-223	1,508,356.00	256,900.00	614.47	21	UNIT - 3/ AREA T	PELA/ TESTING, INC.
RS-224	1,484,587.00	251,165.00	567.48	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.
RS-225	1,484,768.00	252,036.00	567.17	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.
RS-226	1,484,889.00	251,132.00	567.42	21	UNIT - 3/ AREA Z	PELA/ TESTING, INC.
RS-228	1,503,895.5146	254,033.1070	594.81	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.
RS-229	1,502,728.2167	254,807.3030	585.45	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.
RS-230	1,502,719.1390	254,811.0484	585.01	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.
RS-231	1,502,744.2122	254,801.2605	585.94	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-232	1,504,168.7025	252,919.3073	568.82	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-233	1,501,905.4814	253,835.6673	568.60	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.
RS-234	1,501,921.8162	253,818.4409	569.31	35	UNIT 1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-235	1,502,337.8321	254,173.2732	608.76	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-236	1,502,350.7581	254,947.3789	587.02	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-237	1,482,941.4280	248,366.4106	563.23	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-238	1,482,398.6745	248,283.1605	563.90	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-239	1,482,247.8375	247,970.3800	561.06	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-240	1,482,501.7257	249,140.5238	565.01	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-241	1,482,725.2804	248,828.5585	570.64	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-242	1,481,306.8487	248,283.0179	562.50	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-243	1,481,497.5372	249,143.3420	573.40	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-244	1,481,513.9576	249,156.4094	573.28	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-245	1,482,751.8643	249,564.3856	568.52	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-246	1,481,723.13	249,942.22	564.25	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-247	1,481,145.1215	249,241.2314	573.59	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-248	1,480,918.5943	249,535.1224	578.26	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-249	1,481,150.0601	250,049.8778	566.71	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-250	1,481,253.7164	250,929.9061	564.21	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-251	1,481,232.3432	250,894.8080	564.36	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-252	1,480,598.6580	249,843.4726	572.16	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-253	1,480,337.7095	250,057.5039	574.56	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-254	1,480,331.5498	250,038.3484	575.14	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-256	1,512,799.3920	252,741.6337	612.80	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-257	1,512,490.0845	252,922.8979	612.75	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING, INC.
RS-258	1,512,515.1809	252,451.1626	624.18	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING INC.
RS-259	1,512,521.7061	252,433.8213	622.79	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-260	1,512,568.6543	252,208.6558	625.20	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING INC.
RS-261	1,512,353.6285	252,530.6074	611.42	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-262	1,512,116.7829	252,655.5532	608.71	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING INC.
RS-263	1,512,201.4838	252,275.2865	608.06	35	UNIT - 3/ AREA F	GERAGHTY & MILLER/TESTING INC.
RS-264	1,516,863.9935	263,944.6245	574.28	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING INC.
RS-265	1,516,871.6744	263,934.1917	574.06	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-266	1,516,754.4107	263,806.3795	577.80	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING INC.
RS-267	1,516,854.4250	264,112.1762	568.34	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING INC.
RS-268	1,516,829.7980	264,189.6880	568.27	35	UNIT - 3/ AREA G	GERAGHTY & MILLER/TESTING INC.
RS-270	1,504,285.5373	254,521.6741	591.48	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-271	1,503,550.7964	254,706.2439	606.94	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-272	1,503,941.3732	254,712.5112	603.48	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-273	1,503,699.6629	255,465.8391	603.59	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-274	1,503,702.5493	255,456.0887	603.46	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-275	1,503,586.4596	255,054.3830	609.40	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-277	1,503,070.3868	254,844.8973	595.86	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-279	1,503,062.0761	255,987.1586	582.64	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-280	1,502,558.0423	255,970.5007	563.37	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-281	1,502,514.9746	256,480.1736	572.67	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-282	1,502,462.4585	256,913.4746	568.32	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-283	1,502,456.0560	256,928.7233	568.11	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-284	1,502,077.6015	256,532.2520	581.74	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-285	1,502,947.9501	255,937.4504	572.87	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-286	1,501,834.2269	256,314.0665	572.33	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-287	1,502,142.4600	257,267.4926	566.63	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-288	1,501,846.16	257,392.00	566.26	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-289	1,501,355.5806	256,983.3092	562.90	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-290	1,501,559.3472	257,338.3406	563.49	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-291	1,501,230.2999	256,690.4083	563.71	29	UNIT- 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-292	1,502,562.9851	256,124.9870	572.08	29	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING INC.
RS-293	1,505,337.4112	258,860.2569	569.35	29	UNIT - 3/ AREA Q5 (AREA R???)	GERAGHTY & MILLER/TESTING INC.
RS-294	1,504,987.3459	258.896.8181	570.61	29	UNIT - 3/ AREA Q5 (AREA R???)	GERAGHTY & MILLER/TESTING INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-295	1,505,099.8791	258,629.8560	572.63	29	UNIT - 3/ AREA Q5 (AREA R???)	GERAGHTY & MILLER/TESTING INC.
RS-297	1,508,959.4848	255,774.3999	627.86	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING INC.
RS-298	1,508,950.5582	255,781.6608	627.71	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING INC.
RS-299	1,509,104.2999	257,147.6381	605.98	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING INC.
RS-300	1,509,104.6829	257,178.3336	605.43	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-301	1,508,742.5565	256,094.9030	606.68	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-302	1,508,311.1802	255,898.0214	615.94	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-303	1,508,320.7705	255,909.3517	614.88	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING INC.
RS-304	1,508,475.8754	255,534.8273	632.70	35	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-305	1,508,032.5357	255,618.4995	612.11	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-306	1,507,616.0010	256,358.3772	635.87	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-307	1,507,307.0912	255,720.9954	615.93	35	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-308	1,507,486.49	255,959.19	625.96	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-309	1,507,695.9923	256,626.6261	635.70	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-310	1,507,375.8366	256,509.7262	636.37	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-311	1,507,380.2228	256,529.8160	637.45	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-312	1,507,478.8123	257,215.5560	631.99	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-313	1,506,790.2616	256,791.2356	622.85	29	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-314	1,405,872.2110	248,978.7251	564.68	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.
RS-315	1,484,288.6047	249,119.1185	567.41	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.
RS-316	1,484,801.1338	248,102.3512	565.23	29	UNIT -3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.
RS-317	1,484,801.7871	248,698.0429	566.42	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.
RS-318	1,484,769.0433	249,024.4087	567.68	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.
RS-319	1,484,371.3037	252,172.1594	566.00	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-320	1,485,162.4158	251,145.5673	565.94	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-321	1,485,145.4535	251,144.3877	566.26	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-322	1,484,909.93	252,117.5915	565.33	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-323	1,484,890.8900	252,135.9114	566.47	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-324	1,484,701.4881	252,046.0039	564.00	29	UNIT -3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-325	1,484,820.5617	251,599.1739	566.50	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-326	1,484,659.0532	250,549.1783	565.57	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-327	1,484,870.9055	251,135.6406	567.34	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-328	1,484,589.5513	251,184.1213	568.00	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-329	1,484,375.0921	251,078.4550	568.19	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-330	1,484,352.2630	251,077.0485	568.07	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-331	1,484,380.8865	251,841.7635	565.00	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-332	1,484,407.4085	251,835.5295	565.00	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-333	1,504,105.1146	254,976.4133	609.30	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-334	1,503,200.0058	255,660.3599	600.53	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-335	1,502,675.8207	255,407.8847	581.54	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-336	1,502,201.2878	253,420.9186	587.02	35	UNIT - 1	GERAGHTY & MILLER/TESTING, INC.
RS-337	1,481,768.3805	248,906.6595	567.30	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-338	1,480,775.8563	250,864.3874	566.93	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-339	1,481,423.0225	250,592.7395	562.00	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-340	1,484,393.6322	252,155.1423	566.00	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-342	1,484,731.5276	249,618.3653	563.45	29	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC.
RS-343	1,484,379.7953	252,167.4028	566.00	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-344	1,484,389.9699	251,840.2042	566.00	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-345	1,484,919.4979	252,127.7020	566.31	29	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-346	1,504,477.2019	254,500.7181	564.25	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-347	1,504,484.7754	254,503.7116	592.89	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-348	1,504,381.5085	254,951.3786	606.36	34	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-349	1,504,381.5650	254,958.0237	606.34	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-350	1,504,073.9538	255,483.6621	607.60	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-351	1,504,076.7440	255,489.5253	607.32	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-352	1,503,752.8954	255,790.5401	604.19	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-353	1,503,762.1228	255,788.7711	604.01	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-354	1,503,743.00	255,793.3611	603.47	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING INC.
RS-355	1,503,586.6641	255,063.9786	612.68	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-356	1,503,072.2982	255,991.2921	586.40	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-357	1,502,895.3917	255,100.8419	596.76	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-358	1,502,569.3620	255,973.7830	566.12	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-359	1,503,552.9496	254,699.3047	609.72	35	UNIT - 3/ AREA Q3	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-360	1,501,583.6907	256,597.5310	570.58	35	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-361	1,501,868.9946	257,419.1342	568.11	35	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-362	1,502,070.4486	256,754.3123	584.07	35	UNIT - 3/ AREA Q4	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-363	1,479,897.2144	249,365.0168	570.93	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-364	1,479921.4961	249,350.4429	570.42	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-365	1,479,910.3049	249,358.0264	570.50	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-366	1,483,177.7232	248,582.3433	567.35	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-367	1,481,685.7222	250,904.6759	565.39	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-369	1,483,909.342	251,704.460	567.20	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-370	1,483,898.417	251,705.0521	569.69	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-374	1,483,941.891	251,040.4509	571.08	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-375	1,485,428.636	251,184.127	569.47	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-376	1,485,407.186	251,180.931	568.18	35	UNIT - 3/ AREA Z	GERAGHTY & MILLER/TESTING, INC.
RS-379	1,484,321.440	249,120.7532	569.93	35	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-380	1,484,772.0573	249,044.8591	570.26	35	UNIT - 3/ AREA X1	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-381	1,482,074.1576	250,644.9211	566.32	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC.
RS-382	1,482,093.8249	250,657.6893	566.90	35	UNIT - 2	GERAGHTY & MILLER/TESTING, INC./MILLER DRILLING CO.
RS-384	1,507,313.8672	255,732.6829	617.69	35	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-385	1,508,472.1655	255,542.9513	632.66	35	UNIT - 3/ AREA S & T	GERAGHTY & MILLER/TESTING, INC.
RS-400	1,507,507.26	264,605.97	527.90	28	UNIT - 3/ AREA W RSA-58	USACE - MOBILE
RS-401	1,507,750.88	264,298.01	548.40	28	UNIT - 3/ AREA W RSA-58	USACE - MOBILE
RS-402	1,507,886.80	264,298.01	513.70	28	UNIT - 3/ AREA W RSA-58	USACE - MOBILE
RS-403	1,507,904.32	264,585.85	553.30	28	UNIT - 3/ AREA W RSA-58	USACE - MOBILE
RS-404	1,480,291.38	256,757.35	552.60	28	RSA-116, TEST AREA 5	USACE - MOBILE

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-405	1,480,081.69	256,864.24	571.60	28	RSA-116, TEST AREA 5	USACE - MOBILE
RS-406	1,480,064.31	256,754.72	530.80	28	RSA-116, TEST AREA 5	USACE - MOBILE
RS-407	1,505,837.23	266,065.61	548.80	28	RSA-129, THIOKOL BURNING PIT	USACE - MOBILE
RS-408	1,506,042.33	266,129.17	550.70	28	RSA-129, THIOKOL BURNING PIT	USACE - MOBILE
RS-409	1,506,111.70	265,839.32	554.00	28	RSA-129, THIOKOL BURNING PIT	USACE - MOBILE
RS-410	1,506,015.18	265,889.07	553.40	28	RSA-129, THIOKOL BURNING PIT	USACE - MOBILE
RS-411	1,500,028.19	269,215.71	554.80	28	RSA-142 (RSA-G) THIOKOL DEGREASER BLDG. 7664	USACE - MOBILE
RS-412	1,500,175.78	269,387.59	546.20	28	RSA-142 (RSA-G) THIOKOL DEGREASER BLDG. 7664	USACE - MOBILE
RS-413	1,500,265.30	269,151.61	556.40	28	RSA-142 (RSA-G) THIOKOL DEGREASER BLDG. 7664	USACE - MOBILE
RS-414	1,500,071.86	269,106.67	538.00	28	RSA-142 (RSA-G) THIOKOL DEGREASER BLDG. 7664	USACE - MOBILE
RS-415	1,491,937.54	266,471.33	559.50	28	RSA-140 (TARGET SEEKER FACILITY)	USACE - MOBILE
RS-416	1,491,647.68	266,493.55	564.80	28	RSA-140 (TARGET SEEKER FACILITY)	USACE - MOBILE
RS-417	1,491,674.38	266,276.13	543.00	28	RSA-140 (TARGET SEEKER FACILITY)	USACE - MOBILE

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
RS-418	1,491,578.72	266,355.28	534.60	28	RSA-140 (TARGET SEEKER FACILITY)	USACE - MOBILE
RS-419	1,480,730.41	257,943.80	681.50	28	RSA-115	USACE - MOBILE
RS-420	1,499,858.40	269,360.20	586.21	28	RSA-142	ENGINEERING-SCIENCE
RS-421	1,500,202.80	269,537.00	577.49	34	RSA-142	ENGINEERING-SCIENCE
RS-422	1,500,410.40	269,322.20	577.92	34	RSA-142	ENGINEERING-SCIENCE
RS-423	1,500,297.50	268,903.10	579.37	34	RSA-142	ENGINEERING-SCIENCE
RS-424	1,500,025.90	268,889.00	579.21	34	RSA-142	ENGINEERING-SCIENCE
RS-425	1,499,824.00	269,095.90	577.75	34	RSA-142	ENGINEERING-SCIENCE
RS-426	1,500,167.10	269,390.10	575.41	34	RSA-142	ENGINEERING-SCIENCE
RS-427	1,500,080.30	269,104.6	578.80	34	RSA-142	ENGINEERING-SCIENCE
RS-428	1,500,014.20	268,888.90	579.09	34	RSA-142	ENGINEERING-SCIENCE
RS-429	1,506,150.10	265,925.00	565.99	34	RSA-129	ENGINEERING-SCIENCE
RS-430	1,491,865.80	266,165.10	585.87	34	RSA-140	ENGINEERING-SCIENCE
RS-431	1,491,552.40	266,097.20	576.07	34	RSA-140	ENGINEERING-SCIENCE
RS-432	1,480,760.20	257,851.50	756.60	34	RSA-115	ENGINEERING-SCIENCE
RS-433	1,480,494.10	256,835.20	668.42	34	RSA-116	ENGINEERING-SCIENCE
RS-434	1,479,802.70	256,819.70		34	RSA-116	ENGINEERING-SCIENCE
RS-435	1,491,661.10	266,257.20		34	RSA-140	ENGINEERING-SCIENCE
RS-436	1,500,119.50	268,661.10	578.60	34	RSA-142	ENGINEERING-SCIENCE
MW-601				38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC

WELL NO.	NORTHING	EASTING	ELEVATION	REF. NO.(*)	SWMU OR AOC ID	CONSULTANT/ CONTRACTOR
MW-602				38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC
MW-603				38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC
MW-604				38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC
MW-605				38b	RSA-130	EBASCO ENVIRONMENTAL/ ATEC
MW-606				38b	RSA-130	EBASCO ENVIRONMENTAL/ ATEC
MW-607				38b	RSA-130	EBASCO ENVIRONMENTAL/ ATEC
MW-608				38b	RSA-130	EBASCO ENVIRONMENTAL/ ATEC
MW-609				38a	RSA-99	EBASCO ENVIRONMENTAL/ ATEC
MW-610				38a	RSA-99	EBASCO ENVIRONMENTAL/ ATEC
MW-611				38a	RSA-99	EBASCO ENVIRONMENTAL/ ATEC
MW-612				38a	RSA-99	EBASCO ENVIRONMENTAL/ ATEC
MW-613				38	RSA-117	EBASCO ENVIRONMENTAL/ ATEC

* Indicates particular reference document from which boring/well construction information was ascertained.

11 Indicates that the original documentation of a particular boring/well was not available and construction/installation information was taken from investigative reports identified by asterisks.

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WELL NO.	NORTHING	EASTING	SURFACE ELEVATION (FT-MSL)	SWMU OR AOC ID	EXECUTING AGENCY/CON-TRACTOR	DRILLER
RS-065A	1521445.47	266396.0943	588.39	OU-7	CESAS/IT CORP	MILLER
RS-068A	1504288.857	268592.729	569.6	OU-10	CESAS/IT CORP	MILLER
RS-069A	1499047.506	273184.051	571.05	OU-10	CESAS/IT CORP	MILLER
RS-386	1498345.82	268184.71	588.91	RSA-99	CESAS/F.WHEELER	GRAVES
RS-387	1505429.18	258071.35	583.6	RSA-117	CESAS/F.WHEELER	GRAVES
RS-388	1499123.43	262159.91	571.96	RSA-130	CESAS/F.WHEELER	GRAVES
RS-389	1503958.658	253290.1828	625.1	RSA-10	CESAS/ICF KAISER	MILLER
RS-390	1482539.559	249097.5453	565.56	OU-14	CESAS/F.WHEELER	GRAVES
RS-391	1503819.757	252725.965	622.1	RSA-10	CESAS/ICF KAISER	MILLER
RS-392	1508848.326	259340.4571	587.05	RSA-126	CESAS/F.WHEELER	GRAVES
RS-393	1502587.887	252574.7818	605	RSA-10	CESAS/ICF KAISER	MILLER
RS-394	1502230.493	253419.8633	587.8	RSA-10	CESAS/ICF KAISER	MILLER
RS-395	1502343.783	254198.6055	607.6	RSA-10	CESAS/ICF KAISER	MILLER
RS-396	1502349.98	254966.9299	568.1	RSA-10	CESAS/ICF KAISER	MILLER
RS-397	1502783.653	254364.7672	612.8	RSA-10	CESAS/ICF KAISER	MILLER
RS-398	1503773.571	254264.7419	598.5	RSA-10	CESAS/ICF KAISER	MILLER
RS-399	1503775.913	254291.2031	597.5	RSA-10	CESAS/ICF KAISER	MILLER
RS-437	1499667.853	269250.8035	580.8	RSA-142	CEHND/PARSONS ES	LAYNE
RS-438	1499706.781	269252.5083	581.4	RSA-142	CEHND/PARSONS ES	LAYNE
RS-439	1499555.007	268836.0244	573.6	RSA-142	CEHND/PARSONS ES	LAYNE
RS-440	1499568.004	268835.2898	573.5	RSA-142	CEHND/PARSONS ES	LAYNE
RS-441	1499862.285	268437.3637	567.4	RSA-142	CEHND/PARSONS ES	LAYNE
RS-442	1499860.045	268424.8714	567.2	RSA-142	CEHND/PARSONS ES	LAYNE
RS-443	1500629.986	268473.9075	570.9	RSA-142	CEHND/PARSONS ES	LAYNE
RS-444			571	RSA-142	CEHND/PARSONS ES	LAYNE
RS-445			572.9	RSA-142	CEHND/PARSONS ES	LAYNE
RS-446	1500682.556	269041.0261	572.8	RSA-142	CEHND/PARSONS ES	LAYNE
RS-447	1500993.369	269799.1107	572.8	RSA-142	CEHND/PARSONS ES	LAYNE
RS-448	1501003.961	269790.7336	572.8	RSA-142	CEHND/PARSONS ES	LAYNE
RS-449	1500694.898	269754.2402	570.9	RSA-142	CEHND/PARSONS ES	LAYNE
RS-450	1500683.637	269754.8278	570.9	RSA-142	CEHND/PARSONS ES	LAYNE
RS-451	1500026.545	269692.8694	568.5	RSA-142	CEHND/PARSONS ES	LAYNE
RS-452	1500039.045	269686.3531	568.6	RSA-142	CEHND/PARSONS ES	LAYNE
RS-453	1499865.738	268645.6178	571.8	RSA-142	CEHND/PARSONS ES	LAYNE
RS-454	1500398.119	268590.8917	574.6	RSA-142	CEHND/PARSONS ES	LAYNE
RS-455	1500863.85	269645.797	572.4	RSA-142	CEHND/PARSONS ES	LAYNE
RS-456	1500875.28	269820.2967	570.9	RSA-142	CEHND/PARSONS ES	LAYNE
RS-457	1500072.321	269103.4194	575.3	RSA-142	CEHND/PARSONS ES	LAYNE
RS-458	1507382.128	264414.041	563.4	RSA-58	CEHND/PARSONS ES	LAYNE
RS-459	1506943.386	264627.4752	562.4	RSA-58	CEHND/PARSONS ES	LAYNE
RS-460			568.4	RSA-58	CEHND/PARSONS ES	CESAM
RS-461			563.1	RSA-58	CEHND/PARSONS ES	CESAM
RS-462			562.6	RSA-58	CEHND/PARSONS ES	CESAM
RS-463			600.8	RSA-116	CEHND/PARSONS ES	CESAM
RS-464	1480015.98	256755.0597	630.1	RSA-116	CEHND/PARSONS ES	LAYNE
RS-465			728	RSA-116	CEHND/PARSONS ES	CESAM
RS-466			561.1	RSA-129	CEHND/PARSONS ES	CESAM
RS-467	1480691.8	257774.6	757.03	RSA-115	CEHND/PARSONS ES	GEOTEK
RS-468	1480787.8	257740.6	763.68	RSA-115	CEHND/PARSONS ES	GEOTEK
RS-469	1480708.772	249935.852	569.87	OU-14	CESAS/F.WHEELER	GRAVES
RS-470	1481004.117	250372.3916	564.06	OU-14	CESAS/F.WHEELER	GRAVES
RS-471	1481286.782	249910.6992	566.63	OU-14	CESAS/F.WHEELER	GRAVES
RS-472	1480992.891	250332.1456	563.9	OU-14	CESAS/F.WHEELER	GRAVES

WELL NO.	NORTHING	EASTING	SURFACE ELEVATION (FT-MSL)	SWMU OR AOC ID	EXECUTING AGENCY/CON-TRACTOR	DRILLER
RS-473	1481794.642	249084.5558	568.58	OU-14	CESAS/F.WHEELER	GRAVES
RS-474	1482026.811	249854.3322	564.53	OU-14	CESAS/F.WHEELER	GRAVES
RS-475	1482539.559	249097.5453	565.56	OU-14	CESAS/F.WHEELER	GRAVES
RS-476	1482578.525	248392.5946	561.22	OU-14	CESAS/F.WHEELER	GRAVES
RS-477	1482082.314	248526.6622	564.04	OU-14	CESAS/F.WHEELER	GRAVES
RS-478	1481576.63	248549.7761	565.07	OU-14	CESAS/F.WHEELER	GRAVES
RS-479				OU-14	CESAS/F.WHEELER	GRAVES
RS-480				OU-14	CESAS/F.WHEELER	GRAVES
RS-481				OU-14	CESAS/F.WHEELER	GRAVES
RS-482				OU-14	CESAS/F.WHEELER	GRAVES
RS-483				OU-14	CESAS/F.WHEELER	GRAVES
RS-484				OU-14	CESAS/F.WHEELER	GRAVES
RS-485				OU-14	CESAS/F.WHEELER	GRAVES
RS-486				OU-14	CESAS/F.WHEELER	GRAVES
RS-487				OU-14	CESAS/F.WHEELER	GRAVES
RS-488	1502419.149	253510.903	594.17	RSA-10	CESAS/F.WHEELER	GRAVES
RS-489	1502164.079	253741.292	595.36	RSA-10	CESAS/F.WHEELER	GRAVES
RS-490	1502381.355	254975.981	568.92	RSA-10	CESAS/F.WHEELER	GRAVES
RS-491	1502602.915	254868.067	579.96	RSA-10	CESAS/F.WHEELER	GRAVES
RS-492	1502332.721	254186.296	606.98	RSA-10	CESAS/F.WHEELER	GRAVES
RS-493	1502257.876	254674.704	567.8	RSA-10	CESAS/F.WHEELER	GRAVES
RS-494	1502451.667	253512.158	595.07	RSA-10	CESAS/F.WHEELER	GRAVES
RS-495			575.49	RSA-142	CESAS/F.WHEELER	GRAVES
RS-496			575.6	RSA-142	CESAS/F.WHEELER	GRAVES
RS-497			575.14	RSA-142	CESAS/F.WHEELER	GRAVES
RS-498			575.06	RSA-142	CESAS/F.WHEELER	GRAVES
RS-499			574.39	RSA-142	CESAS/F.WHEELER	GRAVES
RS-500	1508833.979	259504.4771	582.51	RSA-126	CESAS/F.WHEELER	GRAVES
RS-501	1491655.945	263907.063	585.96	RSA-46	CEHND/ESE	CESAM
RS-502	1491991.669	263740.677	589.34	RSA-46	CEHND/ESE	CESAM
RS-503	1492031.463	264187.079	596.42	RSA-46	CEHND/ESE	CESAM
RS-504	1492464.465	264131.66	585.92	RSA-46	CEHND/ESE	CESAM
RS-505	1492216.009	264716.863	577.41	RSA-46	CEHND/ESE	CESAM
RS-506	1491661.916	263912.735	586.23	RSA-46	CEHND/ESE	CESAM
RS-507	1492630.898	263944.972	582.88	RSA-46	CEHND/ESE	CESAM
RS-508	1492229.165	264715.72	576.8	RSA-46	CEHND/ESE	CESAM
RS-509	1507389.326	258275.45	595.1	RSA-122	CEHND/ESE	CESAM
RS-510	1507330.024	258723.439	591.82	RSA-122	CEHND/ESE	CESAM
RS-511	1507500.084	258749.882	591.96	RSA-122	CEHND/ESE	CESAM
RS-512	1507849.292	258122.704	605.91	RSA-122	CEHND/ESE	CESAM
RS-513	1507860.682	258121.902	606.04	RSA-122	CEHND/ESE	CESAM
RS-514	1507380.42	258268.213	595.05	RSA-122	CEHND/ESE	CESAM
RS-515	1507338.952	258725.317	591.88	RSA-122	CEHND/ESE	CESAM
RS-516	1507590.82	259100.481	586.25	RSA-56	CEHND/ESE	CESAM
RS-517	1507666.178	259283.929	583.12	RSA-56	CEHND/ESE	CESAM
RS-518	1508132.494	259272.052	586.36	RSA-56	CEHND/ESE	CESAM
RS-519	1507678.124	259283.929	583.34	RSA-56	CEHND/ESE	CESAM
RS-520	1508369.104	259258.047	585.26	RSA-56	CEHND/ESE	CESAM
RS-521	1508114.746	258715.592	587.72	RSA-139	CEHND/ESE	CESAM
RS-522	1508456.586	258422.084	590.24	RSA-139	CEHND/ESE	CESAM
RS-523	1508454.279	258412.912	590.52	RSA-139	CEHND/ESE	CESAM
RS-524	1508102.986	258715.24	587.6	RSA-139	CEHND/ESE	CESAM
RS-525	1519704.309	256076.926	643.94	RSA-47	CEHND/ESE	CESAM

WELL NO.	NORTHING	EASTING	SURFACE ELEVATION (FT-MSL)	SWMU OR AOC ID	EXECUTING AGENCY/CON-TRACTOR	DRILLER
RS-526	1520196.394	256233.309	650.33	RSA-47	CEHND/ESE	CESAM
RS-527	1508878.254	259653.6874	580.34	RSA-126	CESAS/F.WHEELER	MILLER
RS-528	1508892.823	259526.5029	582.11	RSA-126	CESAS/F.WHEELER	MILLER
RS-529	1507657.592	261431.5244	573.95	RSA-134	CESAS/F.WHEELER	MILLER
RS-530	1507713.069	261384.5476	574.15	RSA-134	CESAS/F.WHEELER	MILLER
RS-531	1507667.238	261386.5986	573.95	RSA-134	CESAS/F.WHEELER	MILLER
RS-532				RSA-11	CESAS/IT CORPORATION	
RS-533				RSA-11	CESAS/IT CORPORATION	
RS-534	1500897.409	237885.669	582.17	RSA-51	CEHND/ESE	CESAM
RS-535	1501141.219	238096.237	576.49	RSA-51	CEHND/ESE	CESAM
RS-536	1501549.661	238026.115	593.71	RSA-51	CEHND/ESE	CESAM
RS-537	1501539.328	238018.888	593.4	RSA-51	CEHND/ESE	CESAM
RS-538	1501141.576	238085.567	576.75	RSA-51	CEHND/ESE	CESAM
RS-539	1500868.384	237614.802	574.07	RSA-51	CEHND/ESE	CESAM
RS-540	1520346.943	256321.841	651.7	RSA-47	CEHND/ESE	CESAM
RS-541				RSA-11	CESAS/IT CORPORATION	
RS-542	1519839.69	256127.014	645.24	RSA-47	CEHND/ESE	CESAM
RS-543				RSA-11	CESAS/IT CORPORATION	
RS-544	1491701.89	263529.417	582.87	RSA-46	CEHND/ESE	CESAM
RS-545	1504568.869	253947.8565	583.3	RSA-10	CESAS/ICF KAISER	MILLER
RS-546	1504573.579	253058.2708	607.6	RSA-10	CESAS/ICF KAISER	MILLER
RS-547	1504573.579	253058.2708	607.6	RSA-10	CESAS/ICF KAISER	MILLER
RS-548				MSFC-74	CESAS/ICF KAISER	MILLER
RS-549				MSFC-74	CESAS/ICF KAISER	MILLER
RS-550				MSFC-74	CESAS/ICF KAISER	MILLER
RS-551	1504037.65	410916.77	605.2	RSA-53	CEHND/PARSONS ES	MILLER
RS-552	1501721.13	412764.72	569.9	RSA-60	CEHND/PARSONS ES	MILLER
RS-553	1505067.51	411241.96	599.8	RSA-53	CEHND/PARSONS ES	MILLER
RS-554	1503787.86	410583.63	597.3	RSA-53	CEHND/PARSONS ES	MILLER
RS-555	1501981.39	412677.92	573.1	RSA-60	CEHND/PARSONS ES	MILLER
RS-556	1501291.72	412864.85	563.5	RSA-60	CEHND/PARSONS ES	MILLER
RS-557	1501855.33	413743.66	565.3	RSA-60	CEHND/PARSONS ES	MILLER
RS-558	1482723.38	404415.96	565.8	OU-14	CEHND/PARSONS ES	MILLER
RS-559	1481518.32	404236.29	562.78	OU-14	CEHND/PARSONS ES	MILLER
RS-560	1481764.87	405743.53	564.72	OU-14	CEHND/PARSONS ES	MILLER
RS-561	1502283.01	412555.93	575.9	RSA-60	CEHND/PARSONS ES	MILLER
RS-562	1503111.48	411661.21	595.8	RSA-53	CEHND/PARSONS ES	MILLER
RS-563				MSFC-74	CESAS/ICF KAISER	MILLER
RS-564				MSFC-74	CESAS/ICF KAISER	MILLER
RS-565				MSFC-74	CESAS/ICF KAISER	MILLER
RS-566				RSA-143	CESAS/ICF KAISER	MILLER
RS-567				RSA-143	CESAS/ICF KAISER	MILLER
RS-568				RSA-143	CESAS/ICF KAISER	MILLER
RS-569				RSA-143	CESAS/ICF KAISER	MILLER
RS-570				RSA-11	CESAS/IT CORPORATION	
RS-571				RSA-11	CESAS/IT CORPORATION	
RS-572				RSA-11	CESAS/IT CORPORATION	
RS-573				RSA-94	CESAS/IT CORPORATION	
RS-574				RSA-94	CESAS/IT CORPORATION	
RS-575				RSA-94	CESAS/IT CORPORATION	
RS-576				RSA-94	CESAS/IT CORPORATION	
RS-577				RSA-95	CESAS/IT CORPORATION	
RS-578				RSA-95	CESAS/IT CORPORATION	

WELL NO.	NORTHING	EASTING	SURFACE ELEVATION (FT-MSL)	SWMU OR AOC ID	EXECUTING AGENCY/CON-TRACTOR	DRILLER
RS-579				RSA-95	CESAS/IT CORPORATION	
RS-580				RSA-95	CESAS/IT CORPORATION	
RS-581				RSA-95	CESAS/IT CORPORATION	
RS-582				RSA-96	CESAS/IT CORPORATION	
RS-583				RSA-96	CESAS/IT CORPORATION	
RS-584				RSA-96	CESAS/IT CORPORATION	
RS-585				RSA-96	CESAS/IT CORPORATION	
RS-586				RSA-96	CESAS/IT CORPORATION	
RS-587				RSA-96	CESAS/IT CORPORATION	
RS-588				RSA-96	CESAS/IT CORPORATION	
RS-589				RSA-96	CESAS/IT CORPORATION	
RS-590				RSA-96	CESAS/IT CORPORATION	
RS-591				RSA-96	CESAS/IT CORPORATION	
RS-592				RSA-96	CESAS/IT CORPORATION	
RS-593				RSA-96	CESAS/IT CORPORATION	
RS-594				RSA-96	CESAS/IT CORPORATION	
RS-595				RSA-97	CESAS/IT CORPORATION	
RS-596				RSA-97	CESAS/IT CORPORATION	
RS-597				RSA-97	CESAS/IT CORPORATION	
RS-598				RSA-97	CESAS/IT CORPORATION	
RS-599				RSA-97	CESAS/IT CORPORATION	
RS-600				RSA-97	CESAS/IT CORPORATION	
RS-601	1505229.982	257941.17	585.9	RSA-117	CESAS/F.WHEELER	ATEC
RS-602	1504929.585	258070.223	581.59	RSA-117	CESAS/F.WHEELER	ATEC
RS-603	1504955.434	258016.644	582.46	RSA-117	CESAS/F.WHEELER	ATEC
RS-604	1504985.919	258083.87	581.72	RSA-117	CESAS/F.WHEELER	ATEC
RS-605	1499542.661	262092.048	570.42	RSA-130	CESAS/F.WHEELER	ATEC
RS-606	1499177.478	261960.938	571.46	RSA-130	CESAS/F.WHEELER	ATEC
RS-607	1499147.115	262001.727	572.41	RSA-130	CESAS/F.WHEELER	ATEC
RS-608	1499196.089	262030.77	571.45	RSA-130	CESAS/F.WHEELER	ATEC
RS-609	1498819.937	267927.221	577.99	RSA-99	CESAS/F.WHEELER	ATEC
RS-610	1498488.757	268060.762	583.18	RSA-99	CESAS/F.WHEELER	ATEC
RS-611	1498506.884	268108.993	584.38	RSA-99	CESAS/F.WHEELER	ATEC
RS-612	1498478.098	268095.462	583.54	RSA-99	CESAS/F.WHEELER	ATEC
RS-613	1504986.553	257952.93	581.86	RSA-117	CESAS/F.WHEELER	ATEC
RS-614				RSA-143	AAFES/LAW ENGINEERIN	LAW
RS-615				RSA-143	AAFES/LAW ENGINEERIN	LAW
RS-616				RSA-143	AAFES/LAW ENGINEERIN	LAW
RS-617				RSA-143	AAFES/LAW ENGINEERIN	LAW
RS-618				RSA-143	AAFES/LAW ENGINEERIN	LAW
RS-619				GAF Plant	GAF/AWARE	TESTING
RS-620				GAF Plant	GAF/AWARE	TESTING
RS-621				GAF Plant	GAF/AWARE	TESTING
RS-622				GAF Plant	GAF/AWARE	TESTING
RS-623				GAF Plant	GAF/AWARE	TESTING
RS-624				GAF Plant	GAF/AWARE	TESTING
RS-625				GAF Plant	GAF/AWARE	TESTING
RS-626				GAF Plant	GAF/AWARE	TESTING
RS-627				RSA-97	CESAS/IT CORPORATION	
RS-628	1520237.53	255783.01	660	RSA-117	CESAS/IT CORPORATION	MILLER
RS-629	1501519.509	238446.8853	574.07	RSA-51	CESAS/IT CORPORATION	MILLER
RS-630	1507981.598	258955.6027	592.19	RSA-56	CESAS/IT CORPORATION	MILLER
RS-631	1507477.258	258573.1628	595.73	RSA-122	CESAS/IT CORPORATION	MILLER

WELL NO.	NORTHING	EASTING	SURFACE ELEVATION (FT-MSL)	SWMU OR AOC ID	EXECUTING AGENCY/CON-TRACTOR	DRILLER
RS-632	1508202.672	258557.2607	591.52	RSA-139	CESAS/IT CORPORATION	MILLER
RS-633	1512535.259	253056.6599	615.97	RSA-49	CESAS/IT CORPORATION	GEOTEK
RS-634	1512910.156	252667.8119	615.43	RSA-49	CESAS/IT CORPORATION	GEOTEK
RS-635	1513076.728	252330.2939	622.28	RSA-49	CESAS/IT CORPORATION	GEOTEK
RS-636	1512542.997	252063.2587	624.44	RSA-49	CESAS/IT CORPORATION	GEOTEK
RS-637				Perimeter Well	CESAS/RUST	
RS-638				Perimeter Well	CESAS/RUST	
RS-639	1503083.226	269321.897	579.7	RSA-142	CESAS/IT CORPORATION	MILLER
RS-640	1500763.747	266936.7447	569.31	RSA-142	CESAS/IT CORPORATION	MILLER
RS-641	1498114.321	270079.8688	585.45	RSA-142	CESAS/IT CORPORATION	MILLER
RS-642	1499443.66	270675.6402	572.3	RSA-142	CESAS/IT CORPORATION	MILLER
RS-643				Perimeter Well	CESAS/RUST	
RS-644				Perimeter Well	CESAS/RUST	
RS-645				Perimeter Well	CESAS/RUST	
RS-646	427240.29	1495670.47	581.01	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-647	427412.22	1495289.53	577.31	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-648	427577.81	1495033.47	572.66	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-649	427530.94	1494410.86	573.47	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-650	427208.9	1493527.76	577.23	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-651	426496.13	1493665.76	586.66	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-652	427382.41	1493925.98	578.01	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-653	426766.02	1493298.45	580.77	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-654	427029.66	1494216.42	587.06	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-655	426537.3	1493414.07	585.16	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-656	428156.52	1493488.44	570.47	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-657	426739.64	1492878.14	582.8	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-658	427154.01	1492378.73	577.23	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-659	427609.61	1493208.55	573.31	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-660	427490.58	1492874.23	573.71	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-661	426208.66	1493438.87	589.78	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-662	426897.86	1494024.94	585.03	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-663	426899.43	1495212.67	579.34	S. Thiokol Site	CESAM/CH2M HILL	MILLER
RS-664	1504171.189	271871.723	564.01	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-665	1504166.199	271867.792	564.01	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-666				RSA-98	CESAS/IT CORPORATION	
RS-667	1500407.94	272865.042	566.65	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-668	1500396.802	272864.471	566.47	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-669	1501548.88	265091.42	567.95	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-670				RSA-98	CESAS/IT CORPORATION	
RS-671	1501867.95	265879.02	563.95	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-672	1502636.4	265722.61	564.25	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-673	1502330.77	265026.86	565.47	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-674	1501961.147	266752.683	568.21	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-675	1501824.08	266894.891	568.67	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-676	1501941.72	267390.284	570.57	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-677	1502008.934	266968.07	569.58	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-678	1502888.08	268008.71	565.84	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-679	1503367.64	269464.9	579.94	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-680	1502170.51	269013.02	580.06	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-681	1501265.411	269706.052	576.9	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-682	1501028.997	269377.244	577.12	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-683	1500740.201	268949.99	572.46	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-684	1500819.58	268116.83	564.41	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR

WELL NO.	NORTHING	EASTING	SURFACE ELEVATION (FT-MSL)	SWMU OR AOC ID	EXECUTING AGENCY/CON-TRACTOR	DRILLER
RS-685	1501966.257	270954.113	581.92	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-686	1502430.919	271608.242	578.32	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-687	1503041.143	270943.484	580.02	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-688	1502587.721	270089.725	580.46	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-689				RSA-98	CESAS/IT CORPORATION	
RS-690	1499923.743	266110.801	579.47	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-691	1500311.493	266400.518	577.53	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-692	1499898.71	267804.595	566.41	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-693	1499248.301	267392.121	573.64	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-694	1498692.668	267572.658	573.64	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-695	1499330.572	268133.128	571.01	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-696	1498864.56	268003.54	574.55	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-697	1498472.53	267809.42	576.93	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-698	1498087.48	267590.15	576.38	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-699	1497906.76	268087.38	583.76	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-700	1498638.76	268404.49	583.83	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-701	1498789.817	268649.733	582.46	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-702	1499077.089	268628.734	573.53	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-703	1498892.79	268431.56	576.78	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-704	1498778.989	269078.217	584.46	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-705	1498566.816	269011.978	583.32	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-706	1498713.322	269324.931	585.9	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-707	1502266.23	268067.95	571.51	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-708	1498864.554	268003.481	575.28	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-709	1500045.982	263321.544	569.58	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-710	1500173.757	263404.111	571.81	N. Thiokol Site	CESAM/CH2M HILL	BOART LONGYEAR
RS-711				RSA-94	CESAS/IT CORPORATION	
RS-712				RSA-94	CESAS/IT CORPORATION	
RS-713				RSA-94	CESAS/IT CORPORATION	
RS-714				RSA-94	CESAS/IT CORPORATION	
RS-715				RSA-94	CESAS/IT CORPORATION	
RS-716				RSA-95	CESAS/IT CORPORATION	
RS-717				RSA-95	CESAS/IT CORPORATION	
RS-718				RSA-95	CESAS/IT CORPORATION	
RS-719				RSA-95	CESAS/IT CORPORATION	
RS-720				RSA-95	CESAS/IT CORPORATION	
RS-721				RSA-97	CESAS/IT CORPORATION	
RS-722				RSA-97	CESAS/IT CORPORATION	
RS-723				RSA-97	CESAS/IT CORPORATION	
RS-724				RSA-97	CESAS/IT CORPORATION	
RS-725				RSA-97	CESAS/IT CORPORATION	
RS-726				RSA-97	CESAS/IT CORPORATION	
RS-727				RSA-98	CESAS/IT CORPORATION	
RS-728				RSA-98	CESAS/IT CORPORATION	
RS-729				RSA-98	CESAS/IT CORPORATION	
RS-730				RSA-98	CESAS/IT CORPORATION	
RS-731				RSA-57	CESAS/IT CORPORATION	
RS-732				RSA-57	CESAS/IT CORPORATION	
RS-733				RSA-57	CESAS/IT CORPORATION	
RS-734				RSA-112	CESAS/IT CORPORATION	
RS-735				RSA-112	CESAS/IT CORPORATION	
RS-736				RSA-112	CESAS/IT CORPORATION	
RS-737				RSA-112	CESAS/IT CORPORATION	

WELL NO.	NORTHING	EASTING	SURFACE ELEVATION (FT-MSL)	SWMU OR AOC ID	EXECUTING AGENCY/CON-TRACTOR	DRILLER
RS-738				RSA-112	CESAS/IT CORPORATION	
RS-739				RSA-113	CESAS/IT CORPORATION	
RS-740				RSA-113	CESAS/IT CORPORATION	
RS-741				RSA-113	CESAS/IT CORPORATION	
RS-742				RSA-113	CESAS/IT CORPORATION	
RS-743				RSA-113	CESAS/IT CORPORATION	
RS-744				RSA-128	CESAS/IT CORPORATION	
RS-745				RSA-128	CESAS/IT CORPORATION	
RS-746				RSA-128	CESAS/IT CORPORATION	
RS-747				RSA-52	CESAS/IT CORPORATION	
RS-748				RSA-52	CESAS/IT CORPORATION	
RS-749				RSA-52	CESAS/IT CORPORATION	
RS-750				RSA-52	CESAS/IT CORPORATION	
RS-751				RSA-52	CESAS/IT CORPORATION	
RS-752				RSA-52	CESAS/IT CORPORATION	
RS-753				RSA-52	CESAS/IT CORPORATION	
RS-754				RSA-61	CESAS/IT CORPORATION	
RS-755				RSA-61	CESAS/IT CORPORATION	
RS-756				RSA-61	CESAS/IT CORPORATION	
RS-757				RSA-61	CESAS/IT CORPORATION	
RS-758				RSA-62	CESAS/IT CORPORATION	
RS-759				RSA-62	CESAS/IT CORPORATION	
RS-760				RSA-62	CESAS/IT CORPORATION	
RS-761				RSA-D	CESAS/IT CORPORATION	
RS-762				RSA-D	CESAS/IT CORPORATION	
RS-763				RSA-D	CESAS/IT CORPORATION	
RS-764				RSA-D	CESAS/IT CORPORATION	
RS-765				RSA-32	CESAS/IT CORPORATION	
RS-766				RSA-32	CESAS/IT CORPORATION	
RS-767				RSA-32	CESAS/IT CORPORATION	
RS-768				RSA-32	CESAS/IT CORPORATION	
RS-769				RSA-32	CESAS/IT CORPORATION	
RS-770				RSA-32	CESAS/IT CORPORATION	
RS-771				RSA-32	CESAS/IT CORPORATION	
RS-772				RSA-32	CESAS/IT CORPORATION	
RS-773				RSA-32	CESAS/IT CORPORATION	
RS-774				RSA-32	CESAS/IT CORPORATION	
RS-775				RSA-32	CESAS/IT CORPORATION	
RS-776				RSA-32	CESAS/IT CORPORATION	
RS-777				RSA-32	CESAS/IT CORPORATION	
RS-778				RSA-32	CESAS/IT CORPORATION	
RS-779				RSA-32	CESAS/IT CORPORATION	
RS-780				RSA-32	CESAS/IT CORPORATION	
RS-781				RSA-32	CESAS/IT CORPORATION	
RS-782				RSA-32	CESAS/IT CORPORATION	
RS-783				RSA-110	CESAS/IT CORPORATION	
RS-784				RSA-110	CESAS/IT CORPORATION	
RS-785				RSA-110	CESAS/IT CORPORATION	
RS-786				RSA-110	CESAS/IT CORPORATION	
RS-787				RSA-110	CESAS/IT CORPORATION	
RS-788				RSA-110	CESAS/IT CORPORATION	
RS-789				RSA-110	CESAS/IT CORPORATION	
RS-790				RSA-110	CESAS/IT CORPORATION	

WELL NO.	NORTHING	EASTING	SURFACE ELEVATION (FT-MSL)	SWMU OR AOC ID	EXECUTING AGENCY/CON-TRACTOR	DRILLER
RS-791				RSA-110	CESAS/IT CORPORATION	
RS-792				RSA-110	CESAS/IT CORPORATION	
RS-793				RSA-94	CESAS/IT CORPORATION	
RS-794				RSA-94	CESAS/IT CORPORATION	
RS-795				RSA-96	CESAS/IT CORPORATION	
RS-796				RSA-96	CESAS/IT CORPORATION	
RS-797				RSA-96	CESAS/IT CORPORATION	
RS-798				RSA-97	CESAS/IT CORPORATION	
RS-799				RSA-97	CESAS/IT CORPORATION	
RS-800				RSA-98	CESAS/IT CORPORATION	
RS-801				RSA-98	CESAS/IT CORPORATION	
RS-802				RSA-83	CESAS/IT CORPORATION	
RS-803				RSA-83	CESAS/IT CORPORATION	
RS-804				RSA-83	CESAS/IT CORPORATION	
RS-805				RSA-83	CESAS/IT CORPORATION	
RS-806				RSA-83	CESAS/IT CORPORATION	
RS-807				RSA-83	CESAS/IT CORPORATION	
RS-808				RSA-83	CESAS/IT CORPORATION	
RS-809				RSA-83	CESAS/IT CORPORATION	
RS-810				RSA-97	CESAS/IT CORPORATION	
RS-811				RSA-61	CESAS/IT CORPORATION	
RS-812				RSA-62	CESAS/IT CORPORATION	
RS-813				RSA-83	CESAS/IT CORPORATION	
RS-814				RSA-83	CESAS/IT CORPORATION	
RS-815				OU-14	CESAS/IT CORPORATION	
RS-816				OU-14	CESAS/IT CORPORATION	
RS-817				OU-14	CESAS/IT CORPORATION	
RS-818				OU-14	CESAS/IT CORPORATION	
RS-819				OU-14	CESAS/IT CORPORATION	
RS-820				OU-14	CESAS/IT CORPORATION	
RS-821				OU-14	CESAS/IT CORPORATION	
RS-822				RSA-143	CESAS/ICF KE	
RS-823				RSA-143	CESAS/ICF KE	
RS-824				RSA-143	CESAS/ICF KE	
RS-825				RSA-143	CESAS/ICF KE	
RS-826				RSA-143	CESAS/ICF KE	
RS-827				RSA-143	CESAS/ICF KE	
RS-828				RSA-143	CESAS/ICF KE	
RS-829				RSA-143	CESAS/ICF KE	
RS-830				RSA-143	CESAS/ICF KE	

Appendix G

Appendix H